Directory Number

HARDWARE AGE

"The Hardware Dealers Magazine"

PUBLISHED EVERY OTHER THURSDAY

The HARDWARE AGE DIRECTORY *for* HARDWARE BUYERS

September 29, 1932

IN this issue, we present the names and addresses of manufacturers of hardware and allied merchandise, seeking their distribution through hardware channels. Trade names are included, that you may locate a manufacturer's name and address, with only the trade name as your clue. This handy, convenient, time-saving compilation of buying information for hardware buyers will prove valuable for constant reference. You will wish to retain this issue—one more service to the hardware industry which HARDWARE AGE is privileged to provide.

In previous years you have made frequent reference to the familiar "Green Book," published separately as the "HARDWARE AGE Directory for Hardware Buyers." This issue of HARDWARE AGE supplants the "Green Book," in a form and page size even more convenient and useful. As before, the compilation has been carefully corrected and augmented, to properly serve the ever-changing merchandise needs of the hardware trade.

The increasing popularity of the "Who Makes It?" editorial feature in each issue of HARDWARE AGE justifies our efforts in presenting this issue. Our readers are invited to continue to use the "Who Makes It?" department, which is an all-year service, supplementing the functions of this Directory Number.

Additional features in this issue, immediately following this announcement, are such reference data as working plans for making the HARDWARE AGE Interchangeable Display Fixtures, How to Figure Discounts for Costs and Mark Up, the new Wire Cloth Specifications, How and Why an Inventory Should Be Taken, and a Glossary of Arms and Ammunition Terms.

—*The Editors.*

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The HARDWARE AGE *Interchangeable*

How You Can Build Them Yourself

THE HARDWARE AGE Interchangeable Display Units are interchangeable in every sense of the word, as over 100 practical backgrounds and floor arrangements for clever merchandise showings may be had, each one being entirely different in its constructional lines.

One reason why so many retail show windows are not effective is the fact that the man who arranges them fails to secure a graduated height in the display. As a result, the entire arrangement has a flat and unattractive appearance. The interchangeable set of units shown in the accompanying illustrations were designed to eliminate this inartistic effect. They were designed by a leading displayman and are practical for use in large or small windows. These units can be readily built of pine lumber and composition board by your local carpenter or your displayman, if he has a work room suitable for the purpose.

Build 19 Pieces

We recommend that you build a set consisting of 19 pieces. As there are only seven different units, a number of duplicates are required. The measurements of the various units are as follows:

No. 1—Length, 56 in.; width, 28 in.; depth, 4 in.

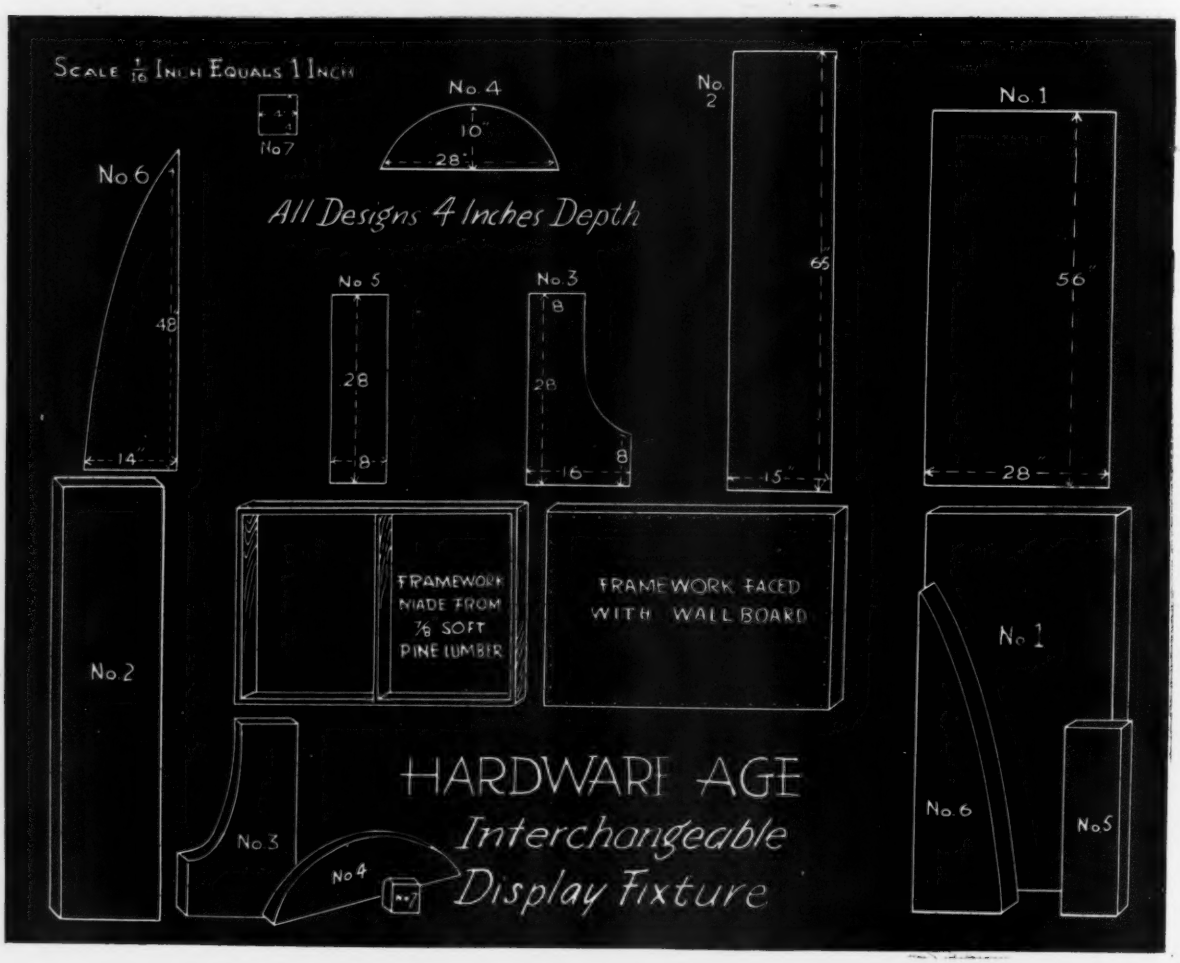
No. 2—Length, 65 in.; width, 15 in.; depth, 4 in.

No. 3—Length, 28 in.; width, 16 in.; depth, 4 in.

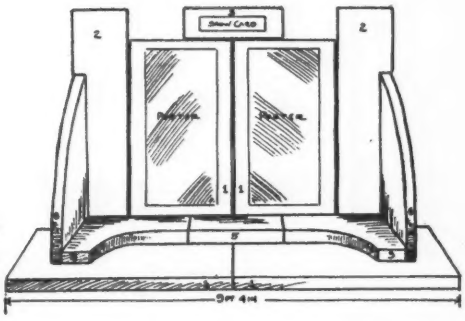
No. 4—Length, 28 in.; extreme width, 10 in.; depth, 4 in.

No. 5—Height, 26 in.; width, 8 in.; depth, 4 in.

No. 6—Height, 48 in.; extreme width, 14 in.; thickness, 4 in.



Display Units



No. 7—Square, 4 by 4 by 4 in.

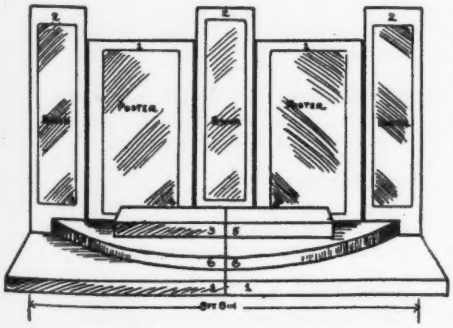
The framework for each unit should be made of pine lumber 3½ in. wide and ⅞ in. thick. Each unit should be braced inside with additional cross-pieces, according to the weight of merchandise that is to be placed on it. Units No. 3, 4 and 6 are made of bendable wall board. All of the fixtures should be built in complete box form and finished on all sides so they will be substantial in their construction.

A summary of the number of units recommended for the 19 piece set is as follows:

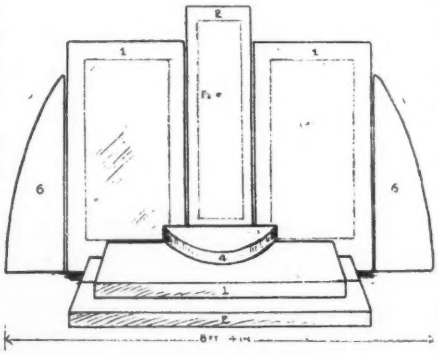
Four of No. 1, 3 of No. 2, 2 of No. 3, 2 of No. 4, 2 of No. 5, 2 of No. 6, 4 of No. 7.

Finishing

The method of finishing the various pieces will be governed by the amount of money you wish to spend. Without question, the most effective and high-class covering is either velour or plush to harmonize in a pleasing way with the window backgrounds. The most inexpensive way to finish these units would be to paint them with good cold water paint, but this finish is unsatisfactory, as it soils very easily and is difficult to clean. We suggest if paint is to be used, you select an oil paint with a dull or semi-gloss finish. The semi-gloss finish will be easier to keep clean than the dull finish. The advantage of using oil paint is that the cost is very little, and they can be finished in a different color from time to time.



There are also a number of inexpensive fabrics suitable for the purpose, such as denim, burlap, linings having a mercerized finish and other plain drapery fabrics usually sold in department stores. In addition to these, there are various kinds of plain



and ornamental papers, as well as imitation leathers, such as fabricoid, that will answer the purpose.

While these units may be finished in many different ways, there are four which we believe more practical than others, either velour, plush, oil paint or imitation leather. Either one of these will give excellent service, will be found easy to clean and may be used indefinitely with little or no attention.

Preferred Finishes

Illustrations on this page show an assembly of these units suitable for a window trim. There is practically no limit to the number of changes that can be made with these pieces. They were originally designed for use in the window, but some of the units, especially the smaller ones, will be found very convenient for interior displays.

Price Tickets Play A Part

WHEN the fixtures are completed, plan to make the window display do its real stuff by having price tickets that really play a part in SELLING. Design, color and copy are all important. Design, may follow the window trimmer's fancy, but color should be governed somewhat by the season. In the spring cooler colors, such as green tints, yellow-green and lavender are most appropriate. Summer calls for the coolest possible colors, like pale blues, combined with green and white. As autumn arrives warmth is again utilized and the browns and tans, red tints, perhaps relieved with small amounts of blue are suitable. Winter, obviously, calls for real warm colors, reds, browns, black, oranges, etc.

Copy should be SELLING copy. Just as you search the catalogs and manufacturers' advertising matter for value-creating phrases in your advertising, so should you in writing your price tickets. Each card should bear a line, in addition to the price and item identification, which gives a logical reason why it is better value, or why the customer should own it. Never use phrases that tear down value, such as "cheap," "Marked down," "bargain," etc. There are plenty of good, believable reasons for offering good merchandise. Use them.

A Glossary of

Arms *and* Ammunition Terms

to help you answer questions your hunter-customers will ask

▲▲▲

THERE are probably more technical terms connected with guns and ammunition than with any other line sold in the hardware store. Many salesmen will talk fluently about a gun and demonstrate its special features and yet have a somewhat vague idea of the real meaning of many of the terms that they talk about so easily.

For the benefit of the salesmen who are handling guns and ammunition this fall here is an "ask me another" on terms which are familiar enough to the ear but in many cases not very clearly understood even by men with some experience in selling arms and ammunition.

BLACK POWDER—Less powerful than smokeless and producing more smoke. Is loaded by bulk.

BULK SMOKELESS POWDER—is loaded by bulk.

CALIBER OF RIFLE—The diameter of the bore of a rifle measured by hundredths or thousandths of an inch, as .22 caliber, .44 caliber, etc. When two figures are used to describe a metallic cartridge, the first indicates the caliber and the second usually indicates the weight of the powder in grains, .25-20, .32-40, etc.

CENTER FIRE CARTRIDGE—A cartridge with the primer placed in the center of the head of the cartridge.

CHAMBER—The space at the breech end of the barrel shaped to receive the shell or cartridge.

CHILLED SHOT—is hardened lead shot.

CHOKE OF SHOTGUN—The choke of a shotgun means a reduction in diameter of the barrel near the muzzle which contentrates the shot charge reducing the area of spread. Following are the principal types of boring the barrel of the shotgun: *Cylinder bore:* the diameter of the barrel is the same all the way through, a perfect cylinder. *Modified Choke:* the diameter of the barrel is reduced slightly near the muzzle, resulting in more concentration of the shot charge. *Full Choke:* the diameter is reduced to a greater degree than in modified choke, which gives greater concentration of the shot charge.

CRIMP OF SHOT SHELL—The end of the paper tube turned under to hold the load firmly in place.

DENSE SMOKELESS POWDER—is loaded by weight.

DROP AT COMB AND HEEL—The distances between the comb and heel of the stock form an imaginary line representing an extension of the line of sight.

EJECTOR—The part which throws the fired shell out of the gun.

EXTRACTOR—The part which withdraws the fired shell from the chamber.

GAUGE OF SHOTGUN—The diameter of the inside of the barrel measured by number of lead balls to the pound. For instance, the barrel of a 12 gauge shotgun is equal in diameter to the diameter of a lead ball weighing 12 to the pound. The diameter of a 20 gauge gun is the same as the diameter of a 20-to-the-pound lead ball, etc.

HAMMER GUN—Any rifle or shotgun having the hammer outside of the receiver.

HAMMERLESS GUN—Any gun with the hammer within the receiver.

PISTOL GRIP—The stock shaped to provide a grip for the right hand when the finger is on the trigger.

PRIMER—A metallic cap placed in the head of the cartridge case containing the priming mixture.

PRIMING MIXTURE—Fulminate or similar material which ignites by percussion.

RECEIVER OF GUN—The part which contains the firing mechanism.

RIFLING—The spiral grooves inside the barrel of a rifle which gives the bullet a rotary motion stabilizing its flight.

RIM FIRE CARTRIDGE—Cartridge having no primer, the priming mixture being placed around the rim of the head of the cartridge, usually of a smaller caliber.

SHOT PATTERN—The distribution of pellets in a shot charge.

SIZE OF SHOT—The sizes of shot are designated by numbers starting with "dust" diameter, 4/100 of an inch. Numbers then run from 12 to 1, the larger numbers being the smaller sizes. No. 12 is 5/100; No. 11, 6/100; No. 1, 16/100. Sizes larger than No. 1 are designated by letters. Buck shot from .24 to .36 inch diameter is measured by numbers 4 to 000, the larger numbers being the smaller sizes.

SMOKELESS POWDER — More powerful and faster burning powder producing a minimum of smoke.

TRAJECTORY—The path of a bullet from muzzle to target, a continuous curve. The mid-range height is usually given in figures for trajectory.

WADDING—Felt or fibre disks in a shot shell between powder and shot.

LINSEED OIL

Price Equivalents

A measured gallon of linseed oil is approximately 7¾ pounds. The equivalents shown below are on this basis.

Price per Pound	Price per Gallon	Price per Pound	Price per Gallon
$0.05	.388	$0.13	1.008
.051	.395	.131	1.015
.052	.403	.132	1.023
.053	.411	.133	1.031
.054	.419	.134	1.039
.055	.426	.135	1.046
.056	.434	.136	1.054
.057	.442	.137	1.062
.058	.450	.138	1.07
.059	.457	.139	1.077
.06	.465	.14	1.085
.061	.473	.141	1.093
.062	.481	.142	1.101
.063	.488	.143	1.108
.064	.496	.144	1.116
.065	.504	.145	1.124
.066	.512	.146	1.132
.067	.519	.147	1.139
.068	.527	.148	1.147
.069	.535	.149	1.155
.07	.543	.15	1.163
.071	.55	.151	1.17
.072	.558	.152	1.178
.073	.566	.153	1.186
.074	.574	.154	1.194
.075	.581	.155	1.201
.076	.589	.156	1.209
.077	.597	.157	1.217
.078	.605	.158	1.225
.079	.612	.159	1.232
.08	.62	.16	1.24
.081	.628	.161	1.248
.082	.636	.162	1.256
.083	.643	.163	1.263
.084	.651	.164	1.271
.085	.659	.165	1.279
.086	.667	.166	1.287
.087	.674	.167	1.294
.088	.682	.168	1.302
.089	.69	.169	1.31
.09	.698	.17	1.318
.091	.705	.171	1.325
.092	.713	.172	1.333
.093	.721	.173	1.341
.094	.729	.174	1.349
.095	.736	.175	1.356
.096	.744	.176	1.364
.097	.752	.177	1.372
.098	.76	.178	1.38
.099	.767	.179	1.387
.10	.775	.18	1.395
.101	.783	.181	1.403
.102	.791	.182	1.411
.103	.798	.183	1.418
.104	.806	.184	1.426
.105	.814	.185	1.434
.106	.822	.186	1.442
.107	.829	.187	1.449
.108	.837	.188	1.457
.109	.845	.189	1.465
.11	.853	.19	1.473
.111	.86	.191	1.48
.112	.868	.192	1.488
.113	.876	.193	1.496
.114	.884	.194	1.504
.115	.891	.195	1.511
.116	.899	.196	1.519
.117	.907	.197	1.527
.118	.915	.198	1.535
.119	.922	.199	1.542
.12	.93	.20	1.55
.121	.938	.201	1.558
.122	.946	.202	1.566
.123	.953	.203	1.573

Wire Insect Screen Cloth

Simplification Program

The new simplified practice recommendation, which has been approved by representative manufacturers, distributors and users of wire insect screen cloth, and indorsed by the Department of Commerce, Bureau of Standards, became effective on Nov. 1, 1931. The program results in the elimination of 206 items, including 20 widths each of four meshes of galvanized cloth; 20 widths each of three meshes of black painted cloth, and 6 widths each of all retained varieties. Hereafter, subject to any annual revisions which may be made by the Standing Committee, there will be 154 items for regular stock purposes. This is Department of Commerce recommendation No. R122-31.

Adoption of the program, in addition to having many advantages for manufacturers, wholesalers, retailers and consumers, will enable the trade to ascertain whether or not wire cloth being handled by them is up to the accepted standard of weights as shown in the table below.

STEEL WIRE INSECT SCREEN CLOTH

TABLE 1.—*Black painted and electro galvanized, selvaged both edges*

Description	Mesh[1] openings per linear inch	Wire size[2] before weaving: Warp	Wire size[2] before weaving: Filling	Width of roll[3]	Approximate length of roll[4]	Packing
		Inch	*Inch*	*Inches*	*Feet*	
Painted with flexible black paint	12	0.0110	0.0110	18, 20, 22, 24, 26, 28, 30, 32 34, 36, 38, 40 42, 48.	100	Heavy wrapping paper, or fibre board cartons.
Zinc coated by electrolytic method	12, 14 16, 18.					

[1] Commercially exact for warp wires. For filler wires, a permissible plus or minus variation of one-half mesh in any 1 inch.
[2] Permissible to use different sizes of warp and filler wire provided the 2 are approximately the same size and have an average diameter of 0.0110 inch.
[3] Permissible plus or minus variation of one-eighth inch in width.
[4] The process of manufacture requires the inclusion of an occasional 2-piece roll; all 2-piece rolls have an extra footage of 2 to 4 linear feet.

COPPER AND COMMERCIAL BRONZE WIRE SCREEN CLOTH

TABLE 2.—*Hard-drawn copper and commercial bronze, selvaged both edges*

Description	Finish	Mesh[1] openings per linear inch	Wire size[2] before weaving: Warp	Wire size[2] before weaving: Filling	Width of roll[3]	Approximate length of roll[4]	Packing
			Inch	*Inch*	*Inches*	*Feet*	
Commercial bronze 90 to 92 per cent. copper; balance zinc. Hard-drawn copper (at least 99.8 per cent. copper)	Bright	14, 16, 18	0.0113	0.0113	18, 20, 22 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 48.	100	Heavy wrapping paper, or fibre board cartons.

[1] Commercially exact for warp wires. For filler wires, a permissible plus or minus variation of one-half mesh in any 1 inch.
[2] Permissible plus or minus variation of 0.00025 inch from nominal diameter.
[3] Permissible plus or minus variation of one-eighth inch in width.
[4] The process of manufacture requires the inclusion of an occasional 2-piece roll; all 2-piece rolls have an extra footage of 1 to 2 linear feet.

WEIGHT

The approximate weight of 100 square feet of copper or commercial bronze screen cloth, exclusive of wrapping, is as follows:

	Pounds
14-mesh	13 —13¼
16-mesh	14¾—15
18-mesh	16½—16¾

Price per Pound	Price per Gallon	Price per Pound	Price per Gallon	Price per Pound	Price per Gallon	Price per Pound	Price per Gallon
$0.124	.961	$0.204	1,581	$0.127	.984	$0.207	1.604
.125	.969	.205	1.589	.128	.992	.208	1.612
.126	.977	.206	1.597	.129	1.00	.209	1.62

How to Figure a PROFIT

The Correct Way

MARGINS figured incorrectly, result in a loss instead of a profit. To assure a profit when determining a margin, both profits and the cost-of-doing business should be computed on the basis of the selling price and not on the cost of the goods. Whether you are marking goods up or marking them down, percentages should be figured on the selling price.

For example—let us take an article costing $20 and give it a 25 per cent mark up on the cost. We would have a selling price of $25. Then we decide to mark it down 25 per cent. We do so by taking 25 per cent off the selling price, which places the new lower sales price at $18.75. This is a direct net loss of $1.25, because mark up was figured on cost and the mark down was figured on selling price, two distinctly different bases.

Let us take an example of proper figuring. An article costs $1. We wish to make a gross profit of 20 per cent. The mark up will represent 20 per cent of the selling price and the cost ($1) will represent 80 per cent of the sales price. The margin (20 per cent) is one-fourth of the cost (80 per cent) or an actual 25 cents. The proper selling price is $1.25. Thus 20 per cent profit (25 cents) based on the selling price is equivalent to 25 per cent on the cost price ($1).

These points are important to remember when figuring selling prices. A little care in observing the simple rules suggested will prevent any loss due to the way prices are figured. These facts, the chart and the table on this page are printed on the back of all invoices sent to the trade by Van Camp Hardware & Iron Co., Indianapolis, Ind., from which source we have taken them.

When you want to determine a selling price to yield a certain rate of profit (based always on that selling price) instead of making a computation like the second example, it is handier to add the known (equivalent) correct percentage on cost. The following table shows at a glance, the proper percentage to add to your cost in order to get the desired percentage on the selling price.

5 %	on	cost	is	4¾ %	on	selling	price
7½ %	"	"	"	7 %	"	"	"
10 %	"	"	"	9 %	"	"	"
12½ %	"	"	"	11⅛ %	"	"	"
15 %	"	"	"	13 %	"	"	"
16⅔ %	"	"	"	14¼ %	"	"	"
20 %	"	"	"	16⅔ %	"	"	"
25 %	"	"	"	20 %	"	"	"
30 %	"	"	"	28 %	"	"	"
33⅓ %	"	"	"	25 %	"	"	"
40 %	"	"	"	28½ %	"	"	"
45 %	"	"	"	31 %	"	"	"
50 %	"	"	"	33⅓ %	"	"	"
55 %	"	"	"	35½ %	"	"	"
60 %	"	"	"	37½ %	"	"	"
65 %	"	"	"	39½ %	"	"	"
66⅔ %	"	"	"	40 %	"	"	"
70 %	"	"	"	41 %	"	"	"
75 %	"	"	"	42¾ %	"	"	"
80 %	"	"	"	44½ %	"	"	"
90 %	"	"	"	47½ %	"	"	"
100 %	"	"	"	50 %	"	"	"

TABLE FOR COMPUTING NET PROFITS

If a merchant's cost of doing business figured on sales is represented by one of these percentages (top line)

	%	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
And he marks his goods at one of these percentages above delivered cost	25	10	9	8	7	6	5	4	3	2	1	00	*1 loss*	*2 loss*	*3 loss*	*4 loss*	*5 loss*	*6 loss*	*7 loss*	*8 loss*
	$33\frac{1}{3}$	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	00	*1 loss*	*2 loss*	*3 loss*
	40	$18\frac{4}{7}$	$17\frac{4}{7}$	$16\frac{4}{7}$	$15\frac{4}{7}$	$14\frac{4}{7}$	$13\frac{4}{7}$	$12\frac{4}{7}$	$11\frac{4}{7}$	$10\frac{4}{7}$	$9\frac{4}{7}$	$8\frac{4}{7}$	$7\frac{4}{7}$	$6\frac{4}{7}$	$5\frac{4}{7}$	$4\frac{4}{7}$	$3\frac{4}{7}$	$2\frac{6}{10}$	$1\frac{6}{10}$	$0\frac{6}{10}$
	50	$23\frac{1}{3}$	$22\frac{1}{3}$	$21\frac{1}{3}$	$20\frac{1}{3}$	$19\frac{1}{3}$	$18\frac{1}{3}$	$17\frac{1}{3}$	$16\frac{1}{3}$	$15\frac{1}{3}$	$14\frac{1}{3}$	$13\frac{1}{3}$	$12\frac{1}{3}$	$11\frac{1}{3}$	$10\frac{1}{3}$	$9\frac{1}{3}$	$8\frac{1}{3}$	$7\frac{1}{3}$	$6\frac{1}{3}$	$5\frac{1}{3}$
	60	$27\frac{1}{2}$	$26\frac{1}{2}$	$25\frac{1}{2}$	$24\frac{1}{2}$	$23\frac{1}{2}$	$22\frac{1}{2}$	$21\frac{1}{2}$	$20\frac{1}{2}$	$19\frac{1}{2}$	$18\frac{1}{2}$	$17\frac{1}{2}$	$16\frac{1}{2}$	$15\frac{1}{2}$	$14\frac{1}{2}$	$13\frac{1}{2}$	$12\frac{1}{2}$	$11\frac{1}{2}$	$10\frac{1}{2}$	$9\frac{1}{2}$
	75	$32\frac{6}{7}$	$31\frac{6}{7}$	$30\frac{6}{7}$	$29\frac{6}{7}$	$28\frac{6}{7}$	$27\frac{6}{7}$	$26\frac{6}{7}$	$25\frac{6}{7}$	$24\frac{6}{7}$	$23\frac{6}{7}$	$22\frac{6}{7}$	$21\frac{6}{7}$	$20\frac{6}{7}$	$19\frac{6}{7}$	$18\frac{6}{7}$	$17\frac{6}{7}$	$16\frac{9}{10}$	$15\frac{9}{10}$	$14\frac{9}{10}$
	100	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22

His percentage of net profit as represented by the figure at the junction of the two columns.

Explanation—If the cost of doing business is 16% of the gross sales and certain merchandise is marked at 33 1/3% above cost the net profit is 9% on sales—as shown in the diagram. If the cost of doing business is 21% and a line is marked at 25% above cost, the merchant suffers a net loss of 1% on sales.

A Simple Plan for Taking the Annual

INVENTORY

OF the two methods of taking physical inventory, the cost method is generally considered more accurate and informative than the retail method, which is based on selling prices. Hardware Age Inventory Sheets are arranged for entering cost prices and other essential data required to present dependable inventory information. An inventory furnishes a reliable guide for the operation of any hardware store. The merchant who neglects taking an annual inventory is courting trouble. If the job is undertaken in a systematic manner, much time and effort can be saved.

Inventories are usually taken the last week of the old year or during the first week of the New Year. For individual reasons, some dealers operate on a fiscal basis of their own choosing, instead of on the calendar year. An efficient inventory plan is to divide the store force in half. If half of the employees "wait on trade," the balance can take inventory without interruptions. Of those assigned to take inventory, even numbered groups are delegated to be responsible for certain equally divided parts of the store's stock. In each such group, the members team-up to work in pairs. One employee counts, calling names of items, their condition and cost price if available, while the other member of the team re-calls the information to insure accuracy, entering it on the inventory sheet. When the "caller" is occupied with counting large quantities, his team mate can use such intervals to making as many easy extensions as time will permit.

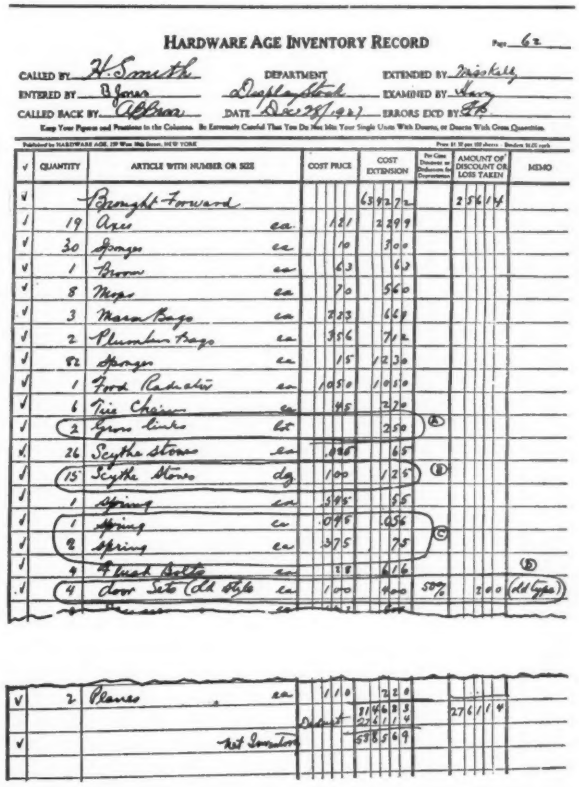
It is accepted practice to estimate quantities of such items as screws, washers, rivets, etc., when these items are in broken lots, and not in their original containers. Practically all other articles are either actually counted or carefully weighed or measured.

Depreciation of merchandise, due to obsolescence, shop-worn condition, lower replacement cost, or any point affecting margin or salability, should always be "charged off" in the special space provided on the inventory sheets for entering this data. Several examples of "charging off" depreciation are shown in the accompanying illustration and explained beneath it. Some very successful merchants make it a practice to mark "white elephants," or shelf-warmers, in some special manner, as with a colored symbol or tag, to make it readily apparent that it is highly essential to move such items at the first opportunity.

On surplus stocks, and on goods not in season at inventory time, such as garden tools, lawn mowers, etc., stock can be taken during slack periods before the active inventory gets underway. Slips bearing all necessary information can be placed with each lot of goods to be collected and entered on the sheets later. As such stocks are inactive few corrections are necessary. These can be quickly made if items are sold or moved.

Extending the sheets should be completed at the earliest possible date. An adding machine is a decided help at this juncture. Merchants who do not have this equipment available may rent a machine. A competent operator can usually be engaged to carry out the extensions on the machine after hours. Each sheet is totaled. When these page totals are added the grand total will result. Deduction for depreciation will then indicate the net inventory.

Each year inventory figures should be compared with those for the preceding year with special reference to sales, profits, prices, slow moving items and depreciation.



HARDWARE AGE INVENTORY RECORD No. 62

CALLED BY H. Smith DEPARTMENT EXTENDED BY Miskelly
ENTERED BY B. Jones Display Stock EXAMINED BY Harry
CALLED BACK BY Albert DATE Dec 28/1921 ERRORS EXD BY EB

Keep Your Figures and Penciling in the Columns. Be Extremely Careful That You Do Not Mix Your Single Units With Dozens, or Dozens With Gross Quantities.

Published by HARDWARE AGE, 239 West 39th Street, NEW YORK — Price $1.00 per 100 sheets — Binders $4.00 each

√	QUANTITY	ARTICLE WITH NUMBER OR SIZE		COST PRICE	COST EXTENSION	Per Cent Discount or Deduction for Depreciation	AMOUNT OF DISCOUNT OR LOSS TAKEN	MEMO
√		Brought Forward			6392 72		256 14	
√	19	Axes	ea	1.21	22 99			
√	30	Sponges	ea	.10	3 00			
√	1	Brooms	ea	.63	.63			
√	8	Mops	ea	.70	5 60			
√	3	Mason Bags	ea	2.23	6 69			
√	2	Plumbers Bags	ea	3.56	7 12			
√	82	Sponges	ea	.15	12 30			
√	1	Fork Radiator	ea	10.50	10 50			
√	6	Tire Chains	ea	.45	2 70			
√	2	Gross links	lot		2 50			(A)
√	26	Scythe stones	ea	.025	.65			
√	15	Scythe stones	dz	1.00	12 50			(B)
√	1	Spring	ea	.595	.55			
√	1	Spring	ea	.095	.056			
√	2	Spring	ea	.375	.75			(C)
√	4	Trash Baskets	ea	.19	6 16			
√	4	Door Sets (Old Style)	ea	1.00	4 00	50%	2 00	(Old Style)
			ea					
√	2	Planes	ea	1.10	2 20			
					31 46 23		276 14	
				Deduct	22 61 14			
√		Net Inventory			5885 69			

THE HARDWARE AGE inventory sheets provide a simple and direct means for listing and recording your inventory of stock. Many thousands of these sheets are used each year by hardware dealers. Space is provided for all the necessary listings and information. This example is taken from the actual inventory of a large Eastern retail hardware store, and serves as a good model for your inventory teams. Most of the items need no further explanation, but we call your attention to the four sections circled and lettered. A is an instance where the team found an assortment of chain links estimated to be about 2 gross and worth about $2.50. This being a small item and not involving much money, a detailed count and cost reckoning was not considered necessary. B shows an instance where unit cost on scythe stones is $1.00 per dozen. There being 15 or 1½ dozen, the cost is $1.25 for the lot. Example C shows an instance where a certain spring is costing $.045. There being only one in stock the half cent must be assumed by the dealer making the cost extension a full $.04. The second half of this example also shows springs with a price each of $.375. There being two the extension obviously may be made accurately without assuming the extra half cent. The extension is $.75. Example D shows the use of the discount, deduction or depreciation column. The door set listed is old style and worth about 50 per cent of it's original cost. The discount is taken as indicated. The same practice would follow in the event of broken, soiled, rusted or tarnished merchandise which could not be sold at full price. This column must be estimated in most cases. Should there be a market decline, since your purchase on any item, the deduction would be made accurately and according to your records. These four examples are typical of experiences which will come up in the taking of an inventory.

The store with cost in code on each stock bin will find a great saving of time on the stock taking at the end of the year.

These sheets are available at cost price, $1.00 per 100, from Hardware Age, 239 West 39th St., New York.

The Hardware Age PLATFORM

Hardware Age Believes:—

1—With proper cost control, distribution from manufacturer-to-wholesaler-to-retailer will continue the economical and practical method for merchandising most hardware lines.

2—Retailers should focus their effort and thinking more on selling than on buying, and should concentrate their buying in the fewest possible sources of supply. Sales opportunities should govern purchases.

3—The wholesaler function cannot be eliminated, though distribution costs could and should be reduced. Cooperative buying transfers but does not eliminate the jobbing function and its costs. In most cases, cooperative groups could work successfully with existing wholesaler machinery, if all factors observe rigidly the conditions required in a cooperative group. A compromise may be the further development of jobber owned retail stores or dealer owned jobbing plants.

4—Price competition will always be a vital factor in retailing, but permanent success demands a new appreciation of quality merchandise. Added costs that do not carry with them added value to the consumer should be eliminated. Manufacturers' suggested resale prices should provide adequate margins for both wholesaler and retailer, giving full consideration to required stock investment and to frequency of turnover. Manufacturers who aim to distribute mainly through hardware channels should avoid price discrimination in favor of chain store and mail order companies. If they furnish such outlets with competitive grade products at special prices they should offer their regular distributors the same goods on the same basis.

5—The basic problems of retail hardware dealers are: to get more people into their stores; to provide a store in which service, variety of goods and values encourage patronage; to facilitate second or extra sales by grouping related merchandise together; to promote aggressively the sale of more higher price units to offset the narrow margins of many small sales which are inseparable from hardware retailing, and to develop outside selling.

6—Hardware dealers should promote the sale of all related specialties which have a profitable market, but not to the detriment of standard backbone lines such as tools, builder's hardware, housefurnishings, paints, etc. With proper balance of effort and thinking, specialties should help sell staples and vice versa.

7—The hardware store should resume the mechanical services which formerly centered there: tinsmith and sheet metal shopwork, sharpening scissors, skates, lawn mowers and edge tools; making keys, fixing locks, putting in window glass, miscellaneous simple repairs, etc. Such services are profitable and attract customers.

8—A few strictly cash-and-carry retail hardware stores can succeed. For the majority of stores, a sane credit and installment selling basis is desirable. American consumers expect such extra service plus deliveries, particularly when they buy higher value units.

9—Window and interior displays should include visible, value-creating price cards, and a higher standard of lighting. Window displays and interior lay-outs (particularly table displays) call for frequent change.

10—Hardware merchants should give more attention to selecting and training sales personnel. This means regular store meetings and constant use of helps offered by business papers, trade associations and traveling salesmen. Experienced employees should share authority and responsibility.

11—Merchants and employees should adapt all useful methods practised by chain stores, mail order houses and other competitors.

With full confidence in the future of the hardware business, Hardware Age *dedicates its editorial efforts to the principles embodied in these eleven points.*

HARDWARE AGE—DIRECTORY NUMBER

A handy, convenient, time-saving compilation of manufacturers of hardware and allied merchandise for hardware buyers.

Products Listed Alphabetically

ABRASIVE BELT—See Abrasives, Coated

ABRASIVE CLOTH—See Abrasives, Coated

ABRASIVE DISCS—See Discs, Abrasive, Coated

ABRASIVE PAPERS—See Paper, Coated, Sand, Garnet, Aluminous, etc.

ABRASIVES, Coated
(See also Paper, Coated, Sand, Garnet, Aluminous, etc.)

Armour Sandpaper Works, Chicago, Ill.
Behr-Manning Corp., Troy, N. Y.
Carborundum Co., Niagara Falls, N. Y.
Clover Mfg. Co., Norwalk, Conn.
Minnesota Mining & Mfg. Co., St. Paul, Minn.

ACCESSORIES, Bathroom—See Fixtures and Furnishings, Bathroom; also article desired.

ACCESSORIES, Refrigerator—See Refrigerator Accessories

ACETLYENE GAS LAMPS—See Lamps, Acetylene, Gas

ACETYLENE HEAD LIGHTS—See Lamps, Head

ACETYLENE LAMP CHARGES—See Carbide, Calcium

ACETYLENE TAIL LIGHTS—See Lights, Tail

ACETYLENE TORCHES—See under Torches

ACID CORE, SOLDER—See Solder, Acid Core

ADAPTERS, Faucet

Penberthy Injector Co., Detroit, Mich.
Scott Pump Co., Rochester, N. Y.

ADJUSTABLE BOOKCASE BRACKETS — See Brackets, Bookcase, Adjustable

ADJUSTABLE ELECTRIC LAMPS—See Lamps, Electric Adjustable

ADJUSTABLE REAMERS—See Reamers, Adjustable

ADJUSTABLE WRENCHES—See Wrenches, Adjustable

ADJUSTERS, Blind or Shutter

Corbin, P. & F., New Britain, Conn.
Mallory Mfg. Co., Flemington, N. J. "Standard"
Russell & Erwin Mfg. Co., New Britain, Conn.
Zimmerman (G. F. S.) Co., Inc., Frederick, Md.

ADJUSTERS, Shutter—See Adjusters, Blind or Shutter

ADJUSTERS, Transom—See Lifts, Transom

ADJUSTERS, Window Casement
(See also Casement Window Hardware)

B. & P. Hardware Mfg. Co., Pasadena, Cal.
Barrows Lock Works of Yale & Towne Mfg. Co., Lockport, Ill.
Braun (J. G.) Co., Chicago, Ill.
Brock Glass Co., Ltd., Santa Ana, Cal.
Casement Hdw. Co., Chicago, Ill. "Bull Dog," "New Standard," "Flush Type," "Win-Dor."
Champion Hdw. Co., Geneva, O.
Clinton Lock Co., Clinton, Ia.
Corbin, P. & F., New Britain, Conn.
Dent Hdw. Co., Fullerton, Pa.
Detroit Hdw. Mfg. Co., Detroit, Mich.
Earle Hdw. Mfg. Co., Reading, Pa. "Loxrite"
Excelsior Tool & Mfg. Co., 881 E. 147th, New York, N. Y.
Frantz Mfg. Co., Sterling, Ill.
Grant Pulley & Hdw. Co., 101 Park Av., New York, N. Y.
Hagstrom Mfg. Co., Maple Ave., Glen Cove, N. Y.
Hess (Chas.) Co., Flushing & Metropolitan Avs., Bklyn., N. Y.
Hoffman (Andrew) Mfg. Co., Chicago, Ill. "Griplox"
Independent Lock Co., Fitchburg, Mass. "Ilco"
Ives (H. B.) Co., New Haven, Conn. "Crescent"
Lockwood Mfg. Co., Fitchburg, Mass.
Lyons Mfg. Co., New Haven, Conn. "Lymco"
McKinney Mfg. Co., Pittsburgh, Pa.
Mallory Mfg. Co., Flemington, N. J. "Standard"
Monarch Mfg. Co., Detroit, Mich.
Monarch Metal Products Co., St. Louis, Mo. "Automatic"
Motor Products Corp., Detroit, Mich.
National Brass Co., Grand Rapids, Mich. "Essential"
National Brass Mfg. Co., Cincinnati, O.
National Mfg. Co., Sterling, Ill.
New York Brass Turning Co., 568 Bway., New York, N. Y. "Brassturn"
Norwalk Lock Co., 12 Warren, New York, N. Y.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Rite Hardware & Mfg. Corp., Los Angeles, Cal.
Rixson (Oscar C.) Co., Chicago, Ill.
Russell & Erwin Mfg. Co., New Britain, Conn. "Everlock"
Safe Padlock & Hardware Co., Lancaster, Pa.
Sager Lock Works of Yale & Towne Mfg. Co., No. Chicago, Ill.
Sargent & Co., New Haven, Conn.
Shelby Spring Hinge Co., Shelby, O. "Universal"
Slaymaker Lock Co., Lancaster, Pa.
Southern Weather Strip Co., Orlando, Fla.
Superior Spring Hinge Co., Chicago, Ill.
Twin City Iron & Wire Co., St. Paul, Minn. "Automatic"
United Specialties Mfg. Co., Ltd., Richmond Hill, N. Y. "Casehold," "Flexostay," "Staylock"
Weber-Knapp Co., Jamestown, N. Y.
Whitney (Vincent) Co., San Francisco, Cal. "Whitco"
Wilcor-Wyman-O'Rourke Co., Chicago, Ill.
Woodruff (Walter W.) & Sons Co., Mt. Carmel, Conn.
Yale & Towne Mfg. Co., Stamford, Conn.
Zimmerman (G. F. S.) Co., Inc., Frederick, Md.

ADJUSTERS, Window, Overhead—See Fittings, Greenhouse

ADJUSTERS, Window Stop

Corbin, P. & F., New Britain, Conn.
Grant Pulley & Hdw. Co., 101 Park Av., New York, N. Y.
Ives (H. B.) Co., New Haven, Conn.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.
Yale & Towne Mfg. Co., Stamford, Conn.

ADVERTISING ELECTROTYPES—See Electrotypes, for Retail Advertising

ADVERTISING KNIVES—See Knives, Advertising

ADVERTISING POCKET KNIVES—See Knives, Pocket, Advertising

ADVERTISING THERMOMETERS—See Thermometers, Advertising

ADVERTISING UMBRELLAS—See Umbrellas, Beach, Lawn, Wagon, etc.

ADVERTISING YARDSTICKS—See Yardsticks, Advertising

ADZES

Collins Co., Collinsville, Conn. "Legitimus"
Evansville Tool Wks., Inc., Evansville, Ind. "Tested"
Fulton Tool Wks., Inc., Pittsburgh, Pa. "Fulco"
Iron City Tool Works, Pittsburgh, Pa.
Kelly Axe & Tool Wks. of American Fork & Hoe Co., Charleston, W. Va. "Flint Edge," "Hunts," "Kelly Standard," "Underhill"
Leetonia Tool Co., Leetonia, O.
Mack Tool Co., Inc., E. Rochester, N. Y. "D. R. Barton"
Plumb (Fayette R.), Inc., Phila., Pa.
Redlich Mfg. Co., Chicago, Ill.
Warren Tool & Forge Co., Warren, O. "Quickwork," "Hack-devil"
Warwood Tool Co., Wheeling, W. Va.
White (L. & I. J.) Co., division of the Simonds-Worden-White Co., Dayton, O.

AERATORS, Milk—See Coolers, Milk and Cream

AERIAL TRAMWAYS—See Tramways, Wire Rope

AEROPLANE GLUE—See Glue, Aeroplane

AEROPLANE HANGERS—See Hangers, Aeroplane, Toy

AEROPLANES, TOY

Aero Model Co., Chicago, Ill. "Silver Ace"
Airowing Corp., Poughkeepsie, N. Y.
American Flyer Mfg. Co., 2219 S. Halsted, Chicago, Ill. "Lone Eagle," "Sky King," "Spirit of America," "Spirit of Columbia"
Arcade Mfg. Co., Freeport, Ill.
Broadfield Aeroplane Co., Inc., Hempstead, N. Y.
Buddy "L" Mfg. Co., East Moline, Ill.
Conestoga Corp., Bethlehem, Pa. "Big-Bang"
Dan-D Mfg. Co., Dayton, O.
Dank (M. Carlton) Toy Corp., 465 Liberty Av., Bklyn., N. Y. "Glide-O-Planes"
Drake (A. W.) Mfg. Co., Hazleton, Pa.
Gendron Wheel Co., Toledo, O. "Mail Plane"
Gibbs Mfg. Co., Canton, O.
Gilbert (A. C.) Co., New Haven, Conn. "Erector"
Girard Model Works, Inc., Girard, Pa.
Greenwich Novelty Co., Greenwich, Conn.
Hubley Mfg. Co., Lancaster, Pa.
Ideal Aeroplane & Supply Co., 22 W. 19th, New York, N. Y. "Every Boy's Ideal," "Ideal-O-Plane"
Ives Mfg. Corp., 200 5th Av., New York, N. Y. "Air Glider"
Kenton Hardware Co., Kenton, O.
Kilgore Mfg. Co., Westerville, O.
Kingsbury Mfg. Co., Keene, N. H. "Silver Arrow"
Liberty Playthings, Inc., Niagara Falls, N. Y.
Metalcraft Corp., St. Louis, Mo. "Spirit of St. Louis"
Mount Carmel Mfg. Co., New Haven, Conn. "Mocar"
Schieble Toy & Nov. Co., Dayton, O. "Right Plane"
Special Products Co., Cleveland, O.
Twistum Toy Factory, Oakland, Cal.
United Mfg. Co., Detroit, Mich.
Universal Aircraft Co., Detroit, Mich.
Vivell Aircraft Co., San Francisco, Cal.
Wanner (Geo. D.) Co., Dayton, O.
Wilder Mfg. Co., St. Louis, Mo.
Wright Model Airplane Co., Lansing, Mich.

AGATE WARE—See Ware, Enameled

AGATES, Playing—See Marbles, Playing

AIR CONDITIONERS

Air Conditioning & Eng. Co., St. Louis, Mo. "Electrozone," "Handy"
Aldor Corp., Chicago, Ill.
American Air Filter Co., Louisville, Ky. "Airgard"
Bahnson Co., Winston, Salem, N. C.
Burgess Battery Co., Freeport, Ill. "Mountainaire"
Cary Mfg. Co., Waupaca, Wis.
Chilaire Corp., Kansas City, Mo.
Clements Mfg. Co., Chicago, Ill.
Copeland Products Co., Mount Clemens, Mich.
Corozne Co., Cleveland, O. "De Luxe Aquazone"
Eagle Electric Mfg. Co., Inc., 59 Hall, B'klyn, N. Y.
Emerson Electric Co., St. Louis, Mo.
Frigidaire Corp., Dayton, O.
Gilbert (A. C.) Co., New Haven, Conn. "De Luxe," "Standard," "Vital Aire"
General Electric Co., Cleveland, O.
Gray (Peter) & Son, Inc., East Cambridge, Mass. "Airstat"
Hess Warming & Ventilating Co., Chicago, Ill.
Hexcel Radiator Co., Milwaukee, Wis. "Control-Aire Kitchen-Kooler"
Humidaire Corp., Columbus, O.
Ilg Electric Ventilating Co., Chicago, Ill. "Ilg-Kold"
Interstate Electric Co., St. Louis, Mo. "Kool-A-Room"
Kaiser (H. F.) Co., Chicago, Ill. "Iceair"
Kautenberg (W. E.) Co., Inc., Freeport, Ill. "Lombard," "Lotus," "Varsity"
Lewis Air Conditioners, Inc., Minneapolis, Minn.
Modine Mfg. Co., Racine, Wis.
National Enameling & Stamping Co., Milwaukee, Wis.
Permanent Electric Co., Cleveland, O. "Purette" (Bathroom)
Premier Warm Air Heater Co., Dowagiac, Mich.
Robeson Rochester Corp., Rochester, N. Y. "Royal Rochester"
Rogers Electric Laboratories Co., Cleveland, O.
Silver Mfg. Co., Waterloo, Ia. "Better-Aire," "Vapor-Air"
Smith (Wellington J.) Co., Cleveland, O. "Fan-O-Zone"
Somer (H. J.), Inc., Detroit, Mich.
Specialty Mfg. Co., St. Paul, Minn. "Minnehaha"
Standard Engineering Wks., St. Louis, Mo. "Kool-A-Room"
Swartzbaugh Mfg. Co., Toledo, O. "Klenzair"
Walton Mfg. Co., Inc., 39 Central Av., Newark, N. J. "Airite"
Workrite Specialty Co., Milwaukee, Wis.

AIR MATTRESSES—See Mattresses, Air

AIR MOISTENERS—See Moisteners, Air

AIRPORT DOOR HARDWARE—See Hardware, Airport Door

AIR PUMPS—See Pumps, Air

AIR RIFLE SHOT—See Shot, Air Rifle

AIR RIFLES—See Rifles, Air

AIR SPRAY COMPRESSION PUMPS—See Pumps, Compression, Air Spray

AIR VALVES—See Valves, Air

ALARM CLOCKS—See Clocks, Alarm

ALARMS, Fire

Fire Detector Co., Inc., Chrysler Bldg., New York, N. Y. "Ford"

ALCOHOL BLOW TORCHES—See Torches, Blow, Alcohol

ALCOHOL, Denatured

(See also Compounds, Anti-Freezing)

American Solvents & Chemical Corp., 122 E. 42nd, New York, N. Y. "Amer-Sol"
Boyer Chemical Laboratory Co., Chicago, Ill.
Industrial Chemical Sales Co., Inc., 200 Fifth Av., New York, N. Y.
Kentucky Alcohol Corp., 52 William, New York, N. Y. "Solox"
U. S. Industrial Alcohol Co., 110 E. 42nd, New York, N. Y. "Pyro"

ALCOHOL STOVES—See Stoves, Alcohol

ALCOHOL TORCHES—See under Torches

ALFALFA FORKS—See Forks, Alfalfa and Hay

ALLIGATOR WRENCHES—See Wrenches, Alligator

ALUMINUM CLEANERS—See Cleaners, Aluminum

ALUMINUM COOKING SETS, Toy—See Sets, Cooking, Toy

ALUMINUM COVERS—See Covers, Cooking Utensil

ALUMINUM FIGURES—See Numbers and Letters, Metal

ALUMINUM GRIDDLES—See Griddles, Iron, Steel, Aluminum, Etc.

ALUMINUM KETTLES—See Kettles, Tea, Range, Stove, Aluminum

ALUMINUM LETTERS—See Numbers and Letters, Metal

ALUMINUM NAILS—See Nails, Aluminum

ALUMINUM PAILS—See Pails, Aluminum

ALUMINUM PAINTS—See Paints, Aluminum

ALUMINUM POLISHES—See Polishes, Aluminum

ALUMINUM POWDERS—See Powders, Bronze, Gold, Aluminum, etc.

ALUMINUM PRESSURE COOKERS—See Cookers, Steam Pressure

ALUMINUM RULES—See Rules, Aluminum

ALUMINUM SOLDER—See Solder, Aluminum

ALUMINUM SPOONS—See Spoons, Aluminum

ALUMINUM TABLE WARE—See Ware, Table

ALUMINUM TRAYS—See Trays, Aluminum

ALUMINUM WARE—See Ware, Aluminum

AMMONIAC, Sal—See Sal Ammoniac

AMMUNITION—See Cartridges; also Powder, Gun; also Shells, Shot Gun; also Shot, Lead

AMMUNITION BAGS—See Bags, Ammunition

AMMUNITION CASES—See Cases, Ammunition

ANCHOR BOLTS—See Bolts, Anchor

ANCHOR CHAIN—See Chain, Anchor

ANCHOR SHACKLES—See Shackles, Anchor

ANCHORS, Belt, Window Cleaners'

Ackman, Inc., 48 W. 25th, New York, N. Y.
Ainsworth-Buck, Inc., 20 Vesey, New York, N. Y.
American Window Safety Device Co., Chicago, Ill.
Dickey (R. J.) & Sons, Inc., Columbus, Ind. "Ever-Fast"
Grant Pulley & Hardware Co., 101 Park Av., New York, N. Y. "Morewood"
Imperial Brass Mfg Co., Chicago, Ill.
Royal Window Safety Device Co., Chicago, Ill.
Whitner 2-Rope Safety Co., Chicago, Ill.

ANCHORS, Boat, Ship, Etc.

Baldt Anchor Chain & Forge Co., Chester, Pa.
Gray Mfg. Co., Minneapolis, Minn.
Laughlin (Thos.) Co., Portland, Me.
Malleable Iron Fittings Co., Branford, Conn. "M. I. F. Co."
Millsite Steel & Wire Wks., Howell, Mich.
Swett (A. L.) Iron Wks., Medina, N. Y.
Wilcox, Crittenden & Co., Inc., 77 E. Main, Middletown, Conn.

ANCHORS, Decoy

Darton, W. B., Portland, Me.
Gibbs (W. A.) & Son, Chester, Pa.
Grubbs, C. W., Houston, Tex.
Poitevin Bros., Inc., Pascagoula, Miss.
Pratt (Wm. E.) Mfg. Co., Chicago, Ill.
Reynolds Decoy Factory, Forest Park, Ill.
Sanford (David C.) Co., Bridgeport, Conn.
South Bend Bait Co., South Bend, Ind.

ANCHORS, Fence

Anchor Post Fence Co., Baltimore, Md.
Chance Mfg. Co., Centralia, Mo. "Never Creep"
Kitselman Bros., Muncie, Ind.
Page Steel & Wire Co., Monessen, Pa.

ANCHORS, Screw

Ackerman-Johnson Co., Chicago, Ill.
Church (Isaac) Expansion Bolt Co., E. Norwalk, Conn.
Diamond Expansion Bolt Co., 48 W. B'way, New York, N. Y. "Diamond N-Y"
Rawlplug Co., 98 Lafayette, New York, N. Y. (Fibre)
Richmond Screw Anchor Co., 243 Bush, B'klyn., N. Y.
Scru-Tite Corp., 38 W. Market, Newark, N. J.
Star Expansion Bolt Co., 147 Cedar, New York, N. Y. "Sebco"
Stop-Plug Co., Inc., Chicago, Ill.
U. S. Expansion Bolt Co., 75 Varick, New York, N. Y. "Korker," "U. S. E."

ANCHORS, Ship—See Anchors, Boat, Ship, Etc.

ANCHORS, Stone, Wall and Joist

Brunner & Lay, 570 Polk, Chicago, Ill.
Duplex Hanger Co., Cleveland, O.
Hager (C.) & Sons Hinge Mfg. Co., St. Louis, Mo.
Hess (Chas.) Co., Flushing & Metropolitan Avs., Brooklyn, N. Y.
Logan Co., 206 N. Buchanan, Louisville, Ky.
Phillips, Chas. J., Baltimore, Md.
Rawlplug Co., 98 Lafayette, New York, N. Y.
Republic Structural Iron Wks. Co., Cleveland, O.
Smith (F. P.) Wire & Iron Wks., Chicago, Ill.
Swaine (John) Architectural Iron Wks., Springfield, Mass.
Wrought Hdw. & Forging Co., Philadelphia, Pa.

ANDIRONS, FENDERS and GRATES

Adams Co., Dubuque, Ia.
Alamo Iron Works, San Antonio, Texas.
Atlanta Stove Wks., Atlanta, Ga.
Birmingham Stove & Range Co., Birmingham, Ala.
Boston Brass Andiron Co., Boston, Mass.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Bromwell Wire Goods Co., Cincinnati, O.
Cahill Co., Chattanooga, Tenn.
Chattanooga Implement & Mfg. Co., Chattanooga, Tenn. "Royal"
Clark (H. W.) Co., Mattoon, Ill.
Colonial Fireplace Co., Chicago, Ill.
Covert (H. W.) Co., 229 E. 37th, New York, N. Y.
Cutter Mfg. Co., Everett, Boston, Mass.
Donley Bros. Co., Cleveland, O.
Fair Fdry. Co., Knoxville, Tenn. (Grates)
Farley & Loetscher Mfg. Co., Dubuque, Ia.
Fiske (J. W.) Iron Wks., 78 Park Place, New York, N. Y.
Glascock Stove & Mfg. Co., Greenboro, N. C.
Graf (Frank H.) Mfg. Co., Inc., 282 9th Av., New York, N. Y.
Gray & Dudley Co., Nashville, Tenn.
Harriman Mfg. Co., Harriman, Tenn.
Hersh Electric Specialty Co., Milwaukee, Wis.
Homer Furnace Co., Coldwater, Mich.
Howes (S. M.) Co., Boston, Mass. "Cornhill," "Commercial"
Jackson (Edwin A.) & Bro., 50 Beekman, New York, N. Y.
Jackson (Wm. H.) Co., 2 W. 47th, New York, N. Y.
Janusch Mfg. Co., 282 E. 135th, New York, N. Y.
Jones Hollow Ware Co., Baltimore, Md.
Judd (H. L.) Co., 87 Chambers, New York, N. Y. "Hi-Lite"
Klauer Mfg. Co., Dubuque, Ia.
Laurelton Fdry. Co., Laurelton, Pa. (Grates)
New York Brass Turning Co., 568 B'way, New York, N. Y.
Northwestern Stove Co., Chicago, Ill.
Oakland Foundry Co., Belleville, Ill.
Ohio Foundry & Mfg. Co., Steubenville, O.
Peerless Mfg. Co., Louisville, Ky.
Portland Stove Fdry. Co., Portland, Me. (Andirons)
Ray-Glo Corp., Athens, O. (Andirons)
Rostand Mfg. Co., Milford, Conn.
Sheffield Mfg. Co., 401 E. 31st, New York, N. Y.
Smith (F. P.) Wire & Iron Wks., Chicago, Ill.
Stewart Iron Wks. Co., Inc., 814 Stewart Block, Cincinnati, O.
Stover Mfg. & Engine Co., Freeport, Ill.
Swett (A. L.) Iron Wks., Medina, N. Y. (Andirons)
Todhunter, Inc., 119 E. 57th, New York, N. Y.
Treasure Chest, Asheville, N. C.
Weber (M.) Co., Dayton, O.
Withers Foundry & Mach. Wks., Atlanta, Ga.

ANGLE IRON—See Steel or Iron, Angle

ANGLE STEEL—See Steel or Iron, Angle

ANGLE VALVES—See Valves, Globe and Angle

ANIMAL CARRIERS—See Carriers, Animal

ANIMAL SOAPS—See Soaps, Animal, Dog, Etc.

ANIMAL TIES—See Ties, Cattle and Horse

ANIMAL TRAPS—See Traps, Animal

ANIMALS, Toy

All Fair, Inc., Churchville, N. Y.
American Toy & Nov. Corp., Phila., Pa.
Arcade Mfg. Co., Freeport, Ill.
Fisher-Price Toys, Inc., East Aurora, N. Y.
Gould Mfg. Co., Toy Div., Oshkosh, Wis. "Toddler"
Hubley Mfg. Co., Lancaster, Pa. "Daddy Long Legs"
Novelty Casting Co., 1166 Cypress Av., B'klyn, N. Y.
Sheboygan Coaster & Wagon Wks., Sheboygan, Wis. "Twistie"
South Tamworth Industries, Inc., So. Tamworth, N. H.
Twistum Toy Factory, Oakland, Cal.

ANIMALS, Toy, Stuffed

(See also Teddy Bears)

American Made Toy Co., 61 Penn. Av., B'klyn, N. Y.
Atlantic Playthings Co., Atlanta, Ga.
Atlantic Products Corp., Trenton, N. J.
Atlas Toy Mfg. Corp., 14 W. 17th, New York, N. Y.
Averill Co., Inc., 200 5th Av, New York, N. Y. "Woof Woof," "Krazy Kat"
Beers (W. P.) Co., Somers, Conn.
Knickerbocker Toy Co., Inc., 85 Fifth Av., New York, N. Y.
N. Y. Stuffed Toy Co., 3 W. 19th, New York, N. Y.
Swedlin (J.) Inc., 40 W. 20th, New York, N. Y. "Gund"
Twinzy Toy Co., Battle Creek, Mich.
Woolnough (F. W.) Co., 200 Fifth Av., New York, N. Y.
World Toy Mfg. Co., 129 W. 22nd, New York, N. Y.

ANKLE SUPPORTERS—See Supporters, Ankle

ANT POWDER—See Powder, Roach and Ant

ANTENNA INSULATORS—See Radio Antenna Insulators

ANTENNA LEAD-INS—See Radio Antenna Lead-Ins

ANTI-COW KICKERS—See Kickers, Cow, Anti-

ANTI-FREEZING SOLUTIONS—See Compounds, Anti-Freezing; also Alcohol, Denatured

ANTIMONIAL LEAD—See Lead, Antimonial

ANTI-RATTLERS, Window

Attwood Brass Wks., Grand Rapids, Mich.
Autoquip Mfg. Co., Inc., Rochester, N. Y.
City Brass Wks. Co., Chicago, Ill.
Corbin, P. & F., New Britain, Conn.
Drake (A. W.) Mfg. Co., Hazleton, Pa. "Neverluce"
Duplex Sash Spring Co., Peoria, Ill.
Edelman (E.) & Co., Chicago, Ill.
Graffam Metal Prod. Co., Worcester, Mass. "King"
Ives (H. B.) Co., New Haven, Conn.
National Specialty Co., 16 Warren, New York, N. Y. "Stopwell"
Stern-Brown, Inc., 257 W. 17th, New York, N. Y. "Safest"

ANVIL and VISE, Combined

Adams Co., Dubuque, Ia. "Diamond"
American Scale Co., Kansas City, Mo.
Bonney Forge & Tool Wks., Allentown, Pa. "Gipsey"
Champion Blower & Forge Co., Lancaster, Pa.
Chicago Flexible Shaft Co., Chicago, Ill. "Handy Worker"
Columbian Vise & Mfg. Co., Cleveland, O.
Ennis Mfg. Co., 316 Maple, Reading, Pa.
Fisher & Norris, Trenton, N. J. "Eagle"
Germanow-Simon Mach. Co., Rochester, N. Y. "G. S."
Illinois Iron & Bolt Co., Carpentersville, Ill.
Klauer Mfg. Co., Dubuque, Ia. "Star"
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Newhall Chain, Forge & Iron Co., 48 W. B'way, New York, N. Y. "Trident"
Parker (Chas.) Co., Meriden, Conn.
Phoenix Hardware Mfg. Co., Buffalo, N. Y.
Prentiss Vise Co., Little Falls, N. Y.
Rock Island Mfg. Co., Rock Island, Ill.
Southern Skein & Foundry Co., Chattanooga, Tenn.
Swett (A. L.) Iron Works, Medina, N. Y.
Yost Mfg. Co., Meadville, Pa.

ANVILS, Bench

Bonney Forge & Tool Wks., Allentown, Pa. "Gipsey"
Bullock Mfg. Associates., div. of Parker Wire Goods Co., Worcester, Mass.
Champion Blower & Forge Co., Lancaster, Pa.
Cincinnati Tool Co., Montgomery Rd., Cincinnati, O. "Universal"
Columbian Vise & Mfg. Co., Cleveland, O.
Columbus Anvil & Forging Co., Columbus, O. "Arm & Hammer"
Fisher & Norris, Trenton, N. J. "Eagle"
Millers Falls—Goodell-Pratt Co., Greenfield, Mass.
Phoenix Hdw. Mfg. Co., Buffalo, N. Y.
Rock Island Mfg. Co., Rock Island, Ill.

ANVILS, Blacksmiths'

American Skein & F'dry Co., Racine, Wis. "Badger"
Champion Blower & Forge Co., Lancaster, Pa.
Columbian Vise & Mfg. Co., Cleveland, O.
Columbus Anvil & Forging Co., Columbus, O. "Arm & Hammer"
Columbus Forge & Iron Co., Columbus, O. "Trenton"
Fisher & Norris, Trenton, N. J. "Eagle"
Illinois Iron & Bolt Co., Carpentersville, Ill. "Vulcan"
Potts (Horace T.) & Co., Phila., Pa. "Paragon"
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Southern Skein & Foundry Co., Chattanooga, Tenn. "Southern Crescent"

ANVILS, Saw Makers

Atkins (E. C.) & Co., Indianapolis, Ind.

APARTMENT MAIL BOXES—See Boxes, Mail, Apartment

APIARY SUPPLIES—See Bee Keepers' Supplies

APPLE CORERS—See Corers, Fruit and Vegetable

APPLE PARERS—See Parers, Fruit and Vegetable

APPLE SLICERS—See Slicers, Fruit and Vegetable

APRONS, Canvas

Advertising Mfg. Co., Ripon, Wis.
Astrup Co., Cleveland, O.
Baker-Lockwood Mfg. Co., Inc., Kansas City, Mo.
Bemis Bros. Mfg. Co., Memphis, Tenn.
Berg (F. O.) Co., Spokane, Wash.
Couch Bros. Mfg. Co., Atlanta, Ga.
Crawford-Austin Mfg. Co., Waco, Tex.
Daniels (C. R.), Inc., 101 Crosby, New York, N. Y.
Fulton Bag & Cotton Mills, Inc., 330 Wythe Av., Bklyn., N. Y.
Gross, Wm. M., Sharon, Pa. "Notare"
Hettrick Mfg. Co., Toledo, O.
Johnson (J. W.) Co., Chicago, Ill.
K. C. Fabric Products Co., Kansas City, Mo.
Staatsburg Ice Tool Works, Staatsburg-on-the-Hudson, N. Y. (Ice)

AQUAPLANES

Brinsmere Boat & Cycle Co., Milwaukee, Wis. "Aqua Cycle"
Indian Archery & Toy Corp., Evansville, Ind.
Surf Cycle Corp., Miami, Fla. "Miami-Water-Bike"

AQUARIUMS

Art Metal Wks., 7 Mulberry, Newark, N. J.
Beldt's Aquarium, St. Louis, Mo.
Cambridge Glass Co., Cambridge, O.
Cooperative Flint Glass Co., Beaver Falls, Pa.
Fry (H. C.) Glass Co., Rochester, Pa.
Grassyfork Fisheries, Inc., Indianapolis, Ind.
Jensen (Hans) Mfg. Co., Inc., Chicago, Ill. "Jewel"
McKee Glass Co., Jeannette, Pa. (Fish Bowls)

ARBORS, Chuck, Lathe, Milling Machines, Etc.

Collis Co., Clinton, Ia.
Jacobs Mfg. Co., Hartford, Conn.
Millers Falls-Goodell-Pratt Co., Greenfield, Mass.
Morse Twist Drill & Mach. Co., New Bedford, Mass.
National Tool Co., 11200 Madison, Cleveland, O.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Skinner Chuck Co., New Britain, Conn.
Standard Tool Co., Cleveland, O.
Union Twist Drill Co., Athol, Mass.
Walker-Turner Co., Inc., Plainfield, N. J.
Whitman & Barnes, Inc., Detroit, Mich.

ARBOR PRESSES—See Presses, Arbor and Broaching

ARBORS, Lathe—See Arbors, Chuck, Lathe

ARBORS, Milling Machines—See Arbors, Chuck, Lathe, Milling Machines, etc.

ARCHARENA GAME BOARDS—See under Games, Unclassified

ARCHERY SETS—See Sets, Archery

ARCHES, Gateway

Anchor Post Fence Co., Baltimore, Md.
Cyclone Fence Co., Waukegan, Ill.
Davis & Siehl Co., Chicago, Ill.
Logan Co., Louisville, Ky.
Page Steel & Wire Co., Monessen, Pa.
Rowe Mfg. Co., Galesburg, Ill.
Stewart Iron Wks. Co., Inc., 814 Stewart Block, Cincinnati, O.

ARCHES, Iron—See Arches, Gateway

ARCHES, Wire—See Trellises

ARCHITECTURAL IRON WORKS—See Iron Work, Ornamental

ARSENATE OF LEAD—See Lead Arsenate

ARTIFICIAL CHRISTMAS TREES—See Trees, Christmas, Artificial

ARTIFICIAL FISH BAITS—See Baits, Fish, Artificial

ARTIFICIAL GRASS—See Grass, Artificial

ARTIFICIAL SNOW—See Snow, Artificial

ARTIFICIAL WREATHS—See Wreaths, Artificial

ARTISTIC LAMPS—See Lamps, Artistic

ASBESTOS LUMBER—See Lumber, Asbestos

ASBESTOS MILL BOARDS—See Boards, Wall

ASBESTOS PACKED COCKS—See Cocks, Asbestos Packed

ASBESTOS PRODUCTS

Acme Asbestos Covering & Flooring Co., Chicago, Ill.
Asbestos Table Mat Co., Exeter, N. H. "Bunker Hill"
Atlas Asbestos Co., North Wales, Pa.
Johns-Manville, Inc., Madison Av. & 41st, New York, N. Y.
Keasby & Mattison Co., Ambler, Pa.
Pecora Paint Co., Phila., Pa.
Standard Asbestos Mfg. Co., Chicago, Ill.
Union Rubber & Asbestos Co., Trenton, N. J.

ASBESTOS ROOFING—See Roofing, Asbestos

ASBESTOS SHINGLES—See Roofing, Asbestos

ASBESTOS STOVE MATS—See Mats, Stove, Asbestos

ASBESTOS TABLE MATS—See Mats, Table, Asbestos

ASH CANS—See Cans, Ash

ASH CAN COVERS—See Covers, Can, Ash

ASH CAN TRUCKS—See Trucks, Hand

ASH CRANES—See Hoists, Ash

ASH DUMPS—See Dumps, Ash

ASH HANDLES—See Handles, Ash

ASH HOISTS—See Hoists, Ash

ASH LIFTS—See Hoists, Ash

ASH PIT DOORS—See Doors, Ash Pit

ASH RECEIVERS—See Receivers, Ash, Cigar; also Receivers, Ash, Furnace

ASH SIEVES—See Sieves, Ash

ASH SIFTERS—See Sifters, Ash

ASH TRAYS—See Receivers, Ash, Cigar

ASPARAGUS KNIVES—See Knives, Asparagus

ASPHALT CEMENT—See Cement, Roofing

ASPHALT PAINTS—See Paints, Asphalt

ASPHALT RAKES—See Rakes, Asphalt

ASPHALT ROOFING—See Roofing, Asphalt

ASPHALT SHINGLES—See Shingles, Asphalt

ASPHALTUM VARNISHES—See Vagnishes

ASSORTMENTS, Spring—See Springs, In Assortment

ASSORTMENTS, Tackle, Fishing

Abbey & Imbrie, Utica, N. Y.
Enterprise Mfg. Co., Dept. HA, Akron, O. "Bedrock," "Buddie Hook," "Catchie Hook," "Favorite," "Hande-Pak Hook," "New Universal," "Portage," "Victor"
Horrocks-Ibbotson Co., Dept. S, Utica, N. Y. "Unxld"
Richardson Rod & Reel Co., Chicago, Ill.
Weber Lifelike Fly Co., Stevens Point, Wis.

ATHLETIC BELTS—See Belts, Athletic

ATHLETIC GOODS—See article desired

ATHLETIC GRIPS—See Grips, Athletic

ATHLETIC HAMMERS—See Hammers, Athletic

ATHLETIC SUPPORTERS—See Supporters, Athletic

ATTACHMENT PLUGS—See Plugs, Attachment

ATTACHMENTS—See article desired

AUGER BIT GAGES—See Gages, Bit, Auger

AUGER BIT SETS—See Sets, Bit, Auger

AUGER BITS—See Bits, Auger

AUGER HANDLES—See Handles, Hickory

AUGERS, Closet

Chicago Specialty Mfg. Co., Chicago, Ill.
Coleman, Allan J., Chicago, Ill.
Fischer (Chas.) Spring Co., 240 Kent Av., B'klyn, N. Y. "Cardinal"
House (Chas. F.) Mfg. Co., Inc., Omaha, Neb.
Mueller Co., Decatur, Ill.
Rapid Spring Co., Pittsburgh, Pa.
Scovill Mfg. Co., Waterbury, Conn.
Wolverine Brass Wks., Grand Rapids, Mich.

AUGERS, Hollow

Buckeye Mfg. & Foundry Co., Cleveland, O.
Cincinnati Tool Co., Montgomery Rd., Cincinnati, O. "Hargrave"
House Cold Tire Setter Co., St. Louis, Mo. "Ever Ready"
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Stearns (E. C.) & Co., Syracuse, N. Y. "Stearns Ecsco"
Swan (James) Co., Seymour, Conn.
Wood (A. A.) & Sons Co., Atlanta, Ga. "Universal"

AUGERS, Ice—See Tools, Ice

AUGERS, Miners'

Leetonia Tool Co., Leetonia, O.
Martin Hardsocg Co., Pittsburgh, Pa.
Peglar Mchy. Co., Chattanooga, Tenn.
Salem Tool Co., Salem, O.
Snell Mfg. Co., Fiskdale, Mass.

AUGERS, Nut

Greenlee Tool Co., Rockford, Ill.
Irwin Auger Bit Co., Wilmington, O.
Pugh (Job T.), Inc., Phila., Pa.
Snell Mfg. Co., Fiskdale, Mass.
Swan (James) Co., Seymour, Conn.

AUGERS, Post Hole, Etc.

Chance Co., Centralia, Mo.
Chickasaw Mach. & Foundry Co., Memphis, Tenn.
Coates Clipper & Mfg. Co., Worcester, Mass.
Cook (A. D.) Inc., Lawrenceburg, Ind.
Dicke Tool Co., Downers Grove, Ill.
Eureka Digger Co., Seymour, Ind.
Fulton Tool Wks., Inc., Pittsburgh, Pa.
Hall Mfg. Co., Cedar Rapids, Ia.
Iwan Bros., South Bend, Ind.
Ohio Cultivator Co., Bellevue, O. "Cyclone"
Pratt (Wm. E.) Mfg. Co., Chicago, Ill.
Pugh (Job T.), Inc., Phila., Pa.
Seymour Mfg. Co., Inc., Seymour, Ind. "Fenn," "Iwan," "Vaughan"
Specialty Device Co., Cincinnati, O. "Standard"

AUGERS, Pumplog

Irwin Auger Bit Co., Wilmington, O.
Pugh (Job T.) Inc., Phila., Pa.
Snell Mfg. Co., Fiskdale, Mass.

AUGERS, Rafting

Greenlee Tool Co., Rockford, Ill.
Irwin Auger Bit Co., Wilmington, O.
Pugh (Job T.) Inc., Phila., Pa.
Snell Mfg. Co., Fiskdale, Mass.
Swan (James) Co., Seymour, Conn.

AUGERS, Ring

Drew (C.) & Co., Kingston, Mass.
Greenlee Tool Co., Rockford, Ill.
Irwin Auger Bit Co., Wilmington, O.
Jennings (Russell) Mfg. Co., Chester, Conn.
Pugh (Job T.) Inc., Phila., Pa.
Snell Mfg. Co., Fiskdale, Mass.
Swan (James) Co., Seymour, Conn.

AUGERS, Ship

Forest City Bit & Tool Co., Rockford, Ill.
Greenlee Tool Co., Rockford, Ill.
Irwin Auger Bit Co., Wilmington, O.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Pugh (Job T.) Inc., Phila., Pa.
Snell Mfg. Co., Fiskdale, Mass.
Swan (James) Co., Seymour, Conn.

AUGERS, Sink

Scovill Mfg. Co., Waterbury, Conn.
Stow Mfg. Co., Inc., Binghamton, N. Y. "Sani Snake"

AUGERS, Treenail

Drew (C.) & Co., Kingston, Mass.
Greenlee Tool Co., Rockford, Ill.
Irwin Auger Bit Co., Wilmington, O.
Pugh (Job T.) Inc., Phila., Pa.
Snell Mfg. Co., Fiskdale, Mass.

AUTOMATIC CLOTHES WASHING MACHINES—See Washing Machines, Clothes, Automatic

AUTOMATIC DRILLS—See Drills, Automatic

AUTOMATIC FIELD SPRAYERS—See Sprayers, Field, Automatic

AUTOMATIC FIRE ESCAPES—See Fire Escapes, Automatic

AUTOMATIC FURNACE FANS—See Fans, Furnace, Automatic

AUTOMATIC GUNS—See Guns, Automatic

AUTOMATIC and RAPID FIRE GUNS, Toy—See Guns, Automatic and Rapid Fire, Toy

AUTOMATIC NAILERS and TACKERS—See Nailers and Tackers, Automatic

AUTOMATIC PISTOLS—See Pistols, Automatic

AUTOMATIC PUMPS—See Pumps, Automatic

AUTOMATIC SCREW DRIVERS—See Screw Drivers, Automatic

AUTOMATIC TACKERS and NAILERS—See Nailers and Tackers, Automatic

AUTOMATIC TOYS

Animate Toy Co., 200 5th Av., New York, N. Y. (Climbing Tractor)
Dayton Friction Toy Co., Dayton, O.
Pacific States Mechanical Wks., Los Angeles, Cal.
Wolverine Supply & Mfg. Co., Pittsburgh, Pa. "Gee-Wiz," "Sandy Andy"

AUTOMATIC WATER SUPPLY SYSTEMS—See Supply Systems, House

AUTOMOBILE BABY SEATS—See Seats, Baby, Automobile

AUTOMOBILE BEDS or BERTHS—See Beds or Berths

AUTOMOBILE BODY and FENDER TOOLS—See Tools, Automobile, Body and Fender

AUTOMOBILE ELEVATORS—See Elevators, Carriage, Automobile, Etc.

AUTOMOBILE ENAMELS—See Paints

AUTOMOBILE FENDER and BODY TOOLS—See Tools, Automobile, Body and Fender

AUTOMOBILE FIRE EXTINGUISHERS—See Extinguishers, Fire, Automobile

AUTOMOBILE HAMMOCKS—See Hammocks, Automobile

AUTOMOBILE HEADLIGHTS—See Lamps, Head

AUTOMOBILE HEATERS—See Heaters, Automobile

AUTOMOBILE ICE BOXES—See Boxes, Ice

AUTOMOBILE INNER TUBES—See Tubes, Automobile

AUTOMOBILE JACKS—See Jacks, Automobile

AUTOMOBILE LUGGAGE CARRIERS—See Carriers, Luggage

AUTOMOBILE PAINTS—See Paints

AUTOMOBILE PLIERS—See Pliers, Combination; also Pliers, Regular

AUTOMOBILE POLISHES—See Polishes, Automobile

AUTOMOBILE POLISHING MITTENS—See Mittens, Polishing

AUTOMOBILE RADIATOR FILLER CANS—See Cans, Radiator Filler

AUTOMOBILE RADIATOR GUARDS—See Guards, Radiator

AUTOMOBILE SPARK PLUGS—See Plugs, Spark

AUTOMOBILE TAIL LIGHTS—See Lights, Tail

AUTOMOBILE TANKS—See Tanks, Emergency or Reserve

AUTOMOBILE TIRE CHAINS—See Chains or Grips, Non-Skid

AUTOMOBILE TIRE LOCK CHAINS—See Chains, Tire Lock

AUTOMOBILE TIRE VALVES—See Valves, Tire

AUTOMOBILE TIRE VULCANIZERS—See Vulcanizers, Tire

AUTOMOBILE TIRES—See Tires, Automobile; also Tubes, Automobile

AUTOMOBILE TRUNKS—See Trunks, Automobile

AUTOMOBILE VALVE GRINDING COMPOUNDS—See Compounds, Valve Grinding

AUTOMOBILE VALVE LIFTERS—See Lifters, Valve, Automobile

AUTOMOBILE WHEEL BOLTS—See Bolts, Wheel, Automobile

AUTOMOBILES, Juvenile

American National Co., Toledo, O. (Locomotive)
Brown (E. C.) Co., Rochester, N. Y.
Custer Specialty Co., Dayton, O.
Garton Toy Co., Sheboygan, Wis.
Gendron Wheel Co., Toledo, O. "Pioneer"
Monarch Products Co., Tiffin, O.
Murray-Ohio Mfg. Co., Cleveland, O. "Steelcraft"
Structo Mfg. Co., Freeport, Ill.
Toledo Metal Wheel Co., Toledo, O. "Blue Streak," "Falcon," "Gipsy Moth," "Super-Quality"
Troxell, Rew, Los Angeles, Cal. "Pull-Me-Car"

AUTOMOBILES, Toy

All Metal Products Co., Wyandotte, Mich.
American Flyer Mfg. Co., 2219 S. Halsted, Chicago, Ill. "Structo"
Arcade Mfg. Co., Freeport, Ill.
Buddy "L" Mfg. Co., East Moline, Ill. (Pull-N-Ride)
Curry (G. H.) Mfg. Co., Los Angeles, Cal.
Dowst Mfg. Co., Chicago, Ill.
Faith Mfg. Co., Chicago, Ill.
Gendron Wheel Co., Toledo, O. "Pioneer," "Samson"
Gibbs Mfg. Co., Canton, O. (Lumber Truck)
Kenton Hdw. Co., Kenton, O. "Pickwick Nite Coach"
Kilgore Mfg. Co., Westerville, O.
Kingsbury Mfg. Co., Keene, N. H. (Electrically Lighted)
Kingston Products Corp., Kokomo, Ind. "Electricar"
Republic Tool Products Co., Dayton, O.
Schieble Toy & Novelty Co., Dayton, O.
Steel Stamping Co., Lorain, O.
Tillicum Toys, Inc., Tacoma, Wash.
Toledo Metal Wheel Co., Toledo, O. "Blue Streak"
Turner (John C.) Co., Dayton, O.

AWLS, Belt

Billings & Spencer Co., Hartford, Conn.
Bullock Mfg. Associates, Div. of Parker Wire Goods Co., Worcester, Mass.
Manufacturers' Belt Hook Co., Chicago, Ill. "L-X," "Lothrop"
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Mound Tool Co., St. Louis, Mo.
Osborne (C. S.) & Co., Box 183, Newark, N. J.
Stanley Wks., New Britain, Conn. "Hurwood"
Stewart Mfg. Co., Worcester, Mass. "Speedy Stitcher"
Stortz (John) & Son, Phila., Pa.
Swan (Jas.) Co., Seymour, Conn.
Tuck Mfg. Co., Brockton, Mass.

AWLS, Brad

Cincinnati Tool Co., Montgomery Rd., Cincinnati, O. "Hargrave"
Mayhew Steel Products, Inc., Shelburne Falls, Mass.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Schmitt (Wm.) Co., (Irvington), Newark, N. J.
Stanley Wks., New Britain, Conn. "Hurwood"
Tuck Mfg. Co., Brockton, Mass.

AWLS, Harness, Etc.

Dikeman Mfg. Co., Norwalk, Conn.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Osborne (C. S.) & Co., Box 183, Newark, N. J.
Stewart Mfg. Co., Worcester, Mass. "Speedy Stitcher"
Tuck Mfg. Co., Brockton, Mass.

AWLS, Marking—See Awls, Scratch

AWLS, Peg—See Awls, Harness, Etc.

AWLS, Scratch

Arcade Mfg. Co., Freeport, Ill.
Buck Bros., Millbury, Mass.
Bullock Mfg. Associates, Div. of Parker Wire Goods Co., Worcester, Mass.
Crescent Tool Co., Jamestown, N. Y.
Deuse, J. S., Chester, Conn.
Hood Bros., Oxford, Phila., Pa.
Johnson (Wm.), Inc., 36 Brenner, Newark, N. J.
Kilborn & Bishop Co., New Haven, Conn. "Green Line"
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Niagara Mach. & Tool Wks., Buffalo, N. Y.
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Plomb Tool Co., Los Angeles, Cal.
Robinson (M. W.) Co., 28 Warren, New York, N. Y.
Ryan (James J.) Tool Wks., Southington, Conn.
Sargent & Co., New Haven, Conn.
Stanley Wks., New Britain, Conn. "Hurwood"
Stortz (John) & Son, Phila., Pa.
Swan (Jas.) Co., Seymour, Conn.
Tuck Mfg. Co., Brockton, Mass.
Union Tool Co., Orange, Mass.
Winsted Edge Tool Wks., Winsted, Conn. "Witherby"

AWNING HARDWARE

Astrup Co., Cleveland, O.
Awning Hdwe. Co., Baltimore, Md. "Little Sunshine"
Cleveland-Akron Bag Co., Cleveland, O.
Coleman Hdwe. Co., Inc., Chicago, Ill.
Corbin, P. & F., New Britain, Conn.
Elbel Co., Canton, O. "Owl"
Fanner Mfg. Co., Brookside Pk., Cleveland, O.
Goss (J. C.) Co., Detroit, Mich.
Hager (C.) & Sons Hinge Mfg. Co., St. Louis, Mo. (Hooks)
Hess (Chas.) Co., 49-14 Metropolitan Av., Bklyn., N. Y.
Kentucky Tent & Awning Co., Louisville, Ky. "Bartlett"
Laughlin (Thos.) Co., Portland, Me.
Neptune Hdw. Mfg. Co., 70 Duane, New York, N. Y.
Reading Hardware Co., Reading, Pa. (Pulleys)
Sargent & Co., New Haven, Conn.
Slaymaker Lock Co., Lancaster, Pa.
Stant (Geo.) Mach. Wks., Connersville, Ind.
Thomas Mfg. Co., Cedar Rapids, Ia. (Staples)
Washburn Company, Worcester, Mass.
Wilcox, Crittenden & Co., Inc., 77 E. Main, Middletown, Conn.
Wrought Hdw. & Forging Co., Phila., Pa.

AWNING LINES—See Lines, Awning

AWNING ROPE—See Rope, Awning

AWNINGS—See Tents and Awnings

AXE DISPLAY RACKS—See Racks, Axe Display

AXE HANDLES—See Handles, Hickory

AXE SCABBARDS—See Sheaths, Axe

AXE SHEATHS—See Sheaths, Axe

AXE STONES—See Stones, Grind

AXE WEDGES—See Wedges, Axe, Hammer and Hatchets

AXES, Boy Scout, Forged Steel

Bridgeport Hdw. Mfg. Corp., Bridgeport, Conn. "Official Boy Scout," "Sportsman"
Collins Co., Collinsville, Conn. "Legitimus"
Estwing Mfg. Co., Rockford, Ill. "Unit-Ax," "Unbreakable," "Util-Ax"
Evansville Tool Wks., Inc., Evansville, Ind. "Acme," "Tested"
Griffith Tool Wks., Germantown, Phila., Pa. "Franklin"
Hammond (C.) & Son, Inc., Elkins Park, Pa.
Kelly Axe & Tool Wks. of American Fork & Hoe Co., Charleston, W. Va. "Flint Edge," "Vulcan"
Mann Edge Tool Co., Lewistown, Pa. "American Volunteer," "Bald Eagle," "Buck Horn," "Jack Frost," "Mann's Special," "Red Top"
Plumb (Fayette R.), Inc., Phila., Pa.
Rixford Mfg. Co., East Highgate, Vt. "Ready for Use"
Vaughan & Bushnell Mfg. Co., Chicago, Ill.
Warren Axe & Tool Co., Warren, Pa. "Sager"

AXES, Double Bit—See Axes, Single & Double Bit, Forged Steel

AXES, Firemen's

Collins Co., Collinsville, Conn. "Legitimus"
Evansville Tool Wks., Inc., Evansville, Ind. "Tested"
Kelly Axe & Tool Wks. of American Fork & Hoe Co., Charleston, W. Va. "Lippincott," "Standard," "Underhill"
Mann Edge Tool Co., Lewiston, Pa. "True American"
Warren Axe & Tool Co., Warren, Pa.

AXES, Grey Iron

Arcade Mfg. Co., Freeport, Ill.
Ennis Mfg. Co., Reading, Pa.
Gray Iron Foundry Co., Reading, Pa.
Grey Iron Casting Co., Mt. Joy, Pa.
Marion Craftsman Tool Co., Marion, Ind. "Matowoc," "Totem"
Rubinow Edge Tool Wks., 35 Vesey, Newark, N. J. "Empire"

AXES, Ice

Briddell, Chas. D., Crisfield, Md.
Chatillon (John) & Sons, 85 Cliff, New York, N. Y.
Evansville Tool Wks., Inc., Evansville, Ind. "Tested"
Staatsburg Ice Tool Works, Staatsburg-on-the-Hudson, N. Y.
Stortz (John) & Son, Phila., Pa.
Warren Axe & Tool Co., Warren, Pa.

AXES, Single and Double Bit, Forged Steel

Collins Co., Collinsville, Conn. "Bald Eagle," "Big Chip," "Dayton," "Hercules," "Juniata," "Legitimus," "Old Times," "Michigan," "Red Seal," "Superior," "Yankee"
Emerson & Stevens Mfg. Co., Oakland, Me. "Diamond," "Lumberman's Pride," "Pine Tree," "Pioneer"
Evansville Tool Wks., Inc., Evansville, Ind. "Acme," "Tested"
Hammond (C.) & Son, Inc., Elkins Park, Pa.
Kelly Axe & Tool Wks. of American Fork & Hoe Co., Charleston, W. Va. "Americanax," "Black Raven," "Blood's," "Champion," "Chippewa Chief," "Columbian," "Copper King," "Falls City," "Flint Edge," "Hand Made," "Jim Dandy," "Kelly Perfect," "Kelly Registered," "Kelly Standard," "Knot Chopper," "Lippincott," "Niagara," "Peerless," "Perfect," "Red Rover," "Red Warrior," "Robert Man," "Silver Eagle," "Standard," "Underhill," "Vulcan"
Mann Edge Tool Co., Lewiston, Pa. "True American"
Plumb (Fayette R.) Inc., Phila., Pa. "Champion"
Rixford Mfg. Co., East Highgate Vt. "Ebony," "Pride of Vermont," "Ready for Use"
Sandvik Saw & Tool Corp., Minneapolis, Minn. "Banco" (Imported)
Vaughan & Bushnell Mfg. Co., Chicago, Ill. "Supersteel"
Warren Axe & Tool Co., Warren, Pa.
White (G.) Axe Co., Honesdale, Pa.
White (L. & I. J.) Co., Div. of Simonds-Worden-White Co., Dayton, O.

AXLE CLIPS—See Clips, Axle, Carriage and Wagon

AXLE WASHERS—See Washers, Axle

BABBITT METAL

American Smelting & Refining Co., San Francisco, Cal.
Argus Smelting Co., 393 7th Av., New York, N. Y. "Edison"
Belmont Smelting & Refining Wks., Inc., 317 Belmont Av., Brooklyn, N. Y.
Blatchford (E. W.) Co., Chicago, Ill.
Budd Grate & Fdry. Co., Phila., Pa.
Cadman (A. W.) Mfg. Co., Pittsburgh, Pa. "Acorn Brand," "Bearite"
Dayton Bronze Bearing Co., Dayton, O. "Daybro"
Eagle-Picher Lead Co., Cincinnati, O.
Federal Bearing & Bushing Corp., Detroit, Mich.
Federated Metals Corp., Chicago, Ill.
Gardner Metal Co., Chicago, Ill.
Lewis (John T.) & Bros. Co., Phila., Pa.
Magnolia Metal Co., 75 West, New York, N. Y.
Michigan Smelting & Refining Co., Detroit, Mich.
National Bearing Metals Corp., St. Louis, Mo.
National Lead Co., 111 Broadway, New York, N. Y. "Dutch Boy," "Hoyt"
National Smelting & Refining Co., Detroit, Mich.
Rowell Mfg. Co., Appleton, Wis.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Seitzinger's (Thos. F.) Sons, Atlanta, Ga. "No. 4 Plus"
United American Metals Corp., 192 Diamond, B'klyn, N. Y.

BABY CARRIAGES—See Carriages, Baby

BABY CHICK CRATES—See Crates, Baby Chick

BABY HAMMOCKS—See Hammocks, Automobile, Baby

BABY SCALES—See Scales, Baby

BABY SWINGS—See Swings, Baby

BABY WALKERS—See Walkers, Baby

BACK REST CUSHIONS—See Cushions, Seat and Back Rest, Automobile

BACK SAWS—See Saws, Back

BACKGAMMON GAME BOARDS—See Boards, Checker and Backgammon Game; also Games, Checkers and Backgammon

BAGGING NEEDLES—See Needles, Packing and Bagging

BAGS, Ammunition

Acme Burlap Bag Co., 89 Waterbury, B'klyn, N. Y.
Alward-Anderson-Southard Co., Chicago, Ill.
Brauer Bros., Inc., St. Louis, Mo.
Chase Bag Co., St. Louis, Mo.
Continental Paper & Bag Mills, 100 E. 42nd, New York, N. Y.
Crunden (Martin) Mfg. Co., St. Louis, Mo.
Drybak Corp., Binghamton, N. Y.
Duluth Tent & Awning Co., Duluth, Minn. "Monarch"
Red Head Brand Co., Chicago, Ill.
Tucker Duck & Rubber Co., Fort Smith, Ark.
Union Bag & Paper Corp., Woolworth Bldg., New York, N. Y.

BAGS, Bat

Brine (Jas. W.) Co., Boston, Mass.
Continental Paper & Bag Mills, 100 E. 42nd, New York, N. Y.
Draper-Maynard Co., Plymouth, N. H.
Goldsmith (P.) Sons Co., Cincinnati, O.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Stall & Dean Mfg. Co., Brockton, Mass.
Tucker Duck & Rubber Co., Fort Smith, Ark.
Wilson-Western Sporting Goods Co., Chicago, Ill.

BAGS, Bathing Suit

Brauer Bros., Inc., St. Louis, Mo.
Draper Maynard Co., Plymouth, N. H.
Goldsmith (P.) Sons Co., Cincinnati, O.
Nathan Products Corp., 2157 Prospect Av., New York, N. Y.
Post Mfg. Co., 336 Canal, New York, N. Y.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Regina Swimming Devices Co., 102 Lexington Av., New York, N. Y.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stern Specialty Co., 22 W. 32nd, New York, N. Y.

BAGS, Bowling Ball

Alward-Anderson-Southard Co., Chicago, Ill.
Draper-Maynard Co., Plymouth, N. H.
Nesser & Co., Chicago, Ill.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Wilson-Western Sporting Goods Co., Chicago, Ill.

BAGS, Burlap

Bemis Bros. Bag Co., Memphis, Tenn.
Fulton Bag & Cotton Mills, Inc., 330 Wythe Av., B'klyn, N. Y.
Werner Canvas Products Co., 2 Water, B'klyn, N. Y.
Young & Metzner, 43-24 Vernon Blvd., Long Island City, N. Y.

BAGS, Canvas
(See also Bags, Duffel)

Alward-Anderson-Southard Co., Chicago, Ill.
Baker-Lockwood Mfg. Co., Inc., Kansas City, Mo.
Bemis Bros. Bag Co., Memphis, Tenn.
Boyle (Jno.) & Co., 112 Duane, New York, N. Y.
Buhrke (R. H.) Co., Chicago, Ill. (Tool)
Couch Bros. Mfg. Co., Atlanta, Ga.
Crawford-Austin Mfg. Co., Waco, Texas.
Daniels (C. R.), Inc., 101 Crosby, New York, N. Y.
Drybak Corp., Binghamton, N. Y.
Fulton Bag & Cotton Mills, Inc., 330 Wythe Av., B'klyn, N. Y. (Coal)
Hettrick Mfg. Co., Toledo, O.
Humphrey's (R. A.) Sons, Phila., Pa.
K. C. Fabric Products Co., Kansas City, Mo.
Lendzion Leather Goods Co., Chicago, Ill.
Staatsburg Ice Tool Works, Staatsburg-on-the-Hudson, N. Y. (Ice)
Webb (Charles J.) & Co., Inc., Phila., Pa. (Coal)
Wenzel (Herman) Tent & Duck Co., St. Louis, Mo.
Werner Canvas Products Co., 2 Water, B'klyn, N. Y.

BAGS, Cartridge—See Bags, Ammunition

BAGS, Cotton Picker

Bemis Bros. Bag Co., Memphis, Tenn.
Capital Mfg. Co., Kingsville, Texas.
Couch Bros. Mfg. Co., Atlanta, Ga.
Crawford-Austin Mfg. Co., Waco, Texas.
Fulton Bag & Cotton Mills, Inc., 330 Wythe Av., B'klyn, N. Y.
Hettrick Mfg. Co., Toledo, O.

BAGS, Duffel
(See also Bags, Canvas)

Acme Burlap Bag Co., 89 Waterbury, B'klyn, N. Y.
Alward-Anderson-Southard Co., Chicago, Ill.
Baker-Lockwood Mfg. Co., Inc., Kansas City, Mo.
Brauer Bros., Inc., St. Louis, Mo.
Cleveland-Akron Bag Co., Cleveland, O.
Clifton Mfg. Co., Waco, Texas
Crawford-Austin Mfg. Co., Waco, Texas
Dafoe-Eustice Co., Detroit, Mich.
Draper-Maynard Co., Plymouth, N. Y.
Drybak Corp., Binghamton, N. Y.
Fulton Bag & Cotton Mills, Inc., 330 Wythe Av., B'klyn, N. Y. "Shuredry"
Gold Medal Folding Furniture Co., Racine, Wis.
Goss (J. C.) Co., Detroit, Mich.
Grimes, B. E., West Collingswood, N. J.
Hettrick Mfg. Co., Toledo, O.
K. C. Fabric Products Co. Kansas City, Mo.
Nesser & Co., Chicago, Ill. "Karryalls"
Powers Mfg. Co., Waterloo, Ia.
Pueblo Tent & Awning Co., Inc., Pueblo, Colo.
Red Head Brand Co., Chicago, Ill.
Sabey (Fred F.) Co., Rochester, N. Y.
Tucker Duck & Rubber Co., Fort Smith, Ark.
Wenzel (Herman) Tent & Duck Co., St. Louis, Mo.
Werner Canvas Products Co.. 2 Water, B'klyn, N. Y.

BAGS, Garment

Closgard Wardrobe Co., Washington, D. C.
Continental Paper & Bag Mills, 100 E. 42nd, New York. N. Y.
Hudson Chemical Co.. Hoboken, N. J.
Kennedy Car Liner & Bag Co., Shelbyville, Ind.
Le Montree Mfg. Co., Cincinnati, O. "Ced-O-Matic," "Stor-Rite," "Veribest." (Cedarized Mothproof)
Lewy Chemical Co., 58 W. 15th, New York, N. Y. "Dust-No"
Ohio Buff & Mfg. Co., Cincinnati, O.
Wayne Paper Goods Co., Ft. Wayne, Ind.
Welmaid Mfg. Corp., Chicago, Ill.
White Tar Co. of New Jersey, Inc., Kearny, N. J. "Side-In." "Tarine"

BAGS, Golf

Allied Golf Co., Chicago, Ill.
Atlantic Products Corp., Trenton, N. J. "Par-Bag"
Beckley-Ralston Co., Chicago, Ill. "B-R"
Boyle (John) & Co., 112 Duane, New York, N. Y.
Brauer Bros., Inc., St. Louis, Mo. "Monarch"
Buhrke (R. H.) Co., Chicago, Ill. "Burr-Key-Bilt"
Burke Golf Co., Newark. O.
Crawford, McGregor & Canby Co., Dayton, O.
Crosby Products Co., Wyandotte, Mich. (Toy)
Dafoe-Eustice Co., Detroit, Mich.
Drybak Corp., Binghamton, N. Y.
Electra Mfg. Co., Kansas City, Mo. "Highlander"
F. & L. Leather Goods Co., Chicago, Ill.
Fandango Products of New York, Inc., 200 6th Av., New York, N. Y.
Fibre Case & Novelty Co., 536 W. 23d, New York, N. Y.
Goldsmith (P.) Sons Co., Cincinnati, O.
Hillerick & Bradsby Co., Louisville, Ky. "Par-X-L"
Hinson Mfg. Co., Waterloo, Ia.
Ken-Wel Sporting Goods Co., Utica, N. Y.
Lendzion Leather Goods Co., Chicago, Ill.
Midwest Golf Products Co., St. Clair, Mich.
Nesser & Co., Chicago, Ill.
Noe Leather Specialty Co., Minneapolis. Minn.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Service Leather Co., Cincinnati, O.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stall & Dean, Brockton, Mass.
Troxel Mfg. Co., Elyria, O.
Tucker Duck & Rubber Co., Fort Smith, Ark. "Tucker-Way"
Vulcan Golf Co., Portsmouth, O.
Wilson-Western Sporting Goods Co., Chicago, Ill.
Wyeth Hdw. & Mfg. Co.. St. Joseph, Mo.

BAGS, Mailing

Bemis Bros. Bag Co., Memphis. Tenn.
Boyle (Jno.) & Co., 112 Duane, New York, N. Y.
Brooklyn Mailing Device Co., 713 Driggs Av., B'klyn, N. Y.
Cleveland Leather Goods Co., Cleveland, O.
Daniels (C. R.), Inc., 101 Crosby, New York, N. Y.
Fulton Bag & Cotton Mills, Inc., 330 Wythe Av., B'klyn, N. Y.
Ohio Buff & Mfg. Co., Cincinnati, O.
Werner Canvas Products Co., 2 Water, B'klyn, N. Y.

BAGS, Paper

Adams Bag Co., Chagrin Falls, O.
Advance Bag & Paper Co., Inc., Middletown, O.
American Paper Goods Co., Kensington, Conn.
Arkell Safety Bag Co., 120 B'way, New York, N. Y.
Arkell & Smith, Canajoharie, N. Y.
Atlanta Paper Co., Atlanta, Ga.
Bemis Bros. Bag Co., Memphis, Tenn.
Brown Bag Filling Mach. Co., Fitchburg, Mass.
Cleveland-Akron Bag Co., Cleveland, O.
Columbia Bag & Paper Corp.. 3d St., Long Island City, N. Y.
Continental Paper & Bag Mills, 100 E. 42nd, New York, N. Y.
Crunden (Martin) Mfg. Co., St. Louis, Mo. "Diamond"
Fulton Bag & Cotton Mills, Inc., 330 Wythe Av., B'klyn, N. Y.
Howland Bag & Paper Co., Dexter, N. Y.
International Paper Co., 100 E. 42nd, New York, N. Y.
Kennedy Car Liner & Bag Co., Shelbyville, Ind.
Louisiana Paper Co., Ltd., Shreveport, La.
Union Bag & Paper Corp.. Woolworth Bldg., New York, N. Y.
Universal Paper Bag Co., New Hope, Pa.
Wayne Paper Goods Co., Ft. Wayne, Ind.
Wortendyke Mfg. Co., Richmond, Ind.

BAGS, Punching

Brine (Jas. W.) Co., Boston, Mass.
Denkert (M.) & Co., Johnstown, N. Y.
Draper-Maynard Co., Plymouth, N. H.
Faultless Rubber Co., Ashland, O.

BAGS, Punching (Continued)

Giant Mfg. Co., Council Bluffs, Ia.
Goldsmith (P.) Sons Co., Cincinnati, O.
Ken-Wel Sporting Goods Co., Utica, N. Y.
Medart Co., St. Louis, Mo.
Moosehead-Whitely Exerciser Co., 1139 Tiffany, New York, N. Y.
National Sporting Goods Mfg. Co., St. Louis. Mo.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Reg'lar Fellers, Cincinnati, O.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stall & Dean Mfg. Co., Brockton, Mass.
Tyer Rubber Co., Andover, Mass.
Wilson-Western Sporting Goods Co., Chicago, Ill.

BAGS, Shell—See Bags, Ammunition

BAGS, Sleeping

Alward-Anderson-Southard Co., Chicago, Ill.
Ames-Harris-Neville Co., San Francisco, Cal.
Atlantic-Pacific Mfg. Corp., 128 Atlantic Av., B'klyn, N. Y.
Berg (F. O.) Co., Spokane, Wash.
Colorado Tent & Awning Co., Denver, Colo.
Grimes (B. E.) West Collingswood, N. J.
Huyck (F. C.) & Sons, Albany, N. Y. "Kenwood"
Kapo Products Co., Boston, Mass.
Malis Supply Co., Inc., Phila., Pa.
Metropolitan Camp Goods Co., Inc., Athol, Mass. "Compact," "Comfort," "Poquaig"
Sabey (Fred F.) Co., Rochester, N. Y.

BAGS, Striking—See Bags, Punching

BAGS or ROLLS, Tool

Armbruster (R. H.) Mfg. Co., Springfield, Ill.
Atlas Specialty Mfg. Co., Chicago, Ill.
Baker-Lockwood Mfg. Co., Inc., Kansas City, Mo.
Bemis Bros. Bag Co., Memphis, Tenn.
Bridgeport Bag & Jewelry Case Co., Bridgeport, Conn.
Buhrke (R. H.) Co., Chicago, Ill.
Dafoe-Eustice Co., Detroit, Mich. "Ustus"
Economy Stay Co., Jefferson City, Mo.
Empire Level Mfg. Co., Milwaukee, Wis.
Goss (J. C.) Co., Detroit, Mich.
Graton & Knight Co., Worcester, Mass.
Jennings (Russell) Mfg. Co., Chester, Conn.
Klein (Mathias) & Sons, 3200 Belmont Av., Chicago, Ill.
Landers Corp., Toledo, O.
Lefkowitz (Louis) & Bro., 1 Greene, New York, N. Y.
Lendzion Leather Goods Co., Chicago, Ill.
Nathan Products Corp., 2157 Prospect Av., New York, N. Y.
Niagara Fabric Mfg. Co., 47 Greene, New York, N. Y. "Fitzwell"
Powers Mfg. Co., Waterloo, Ia.
Special Hardware Corp., Medford, N. Y.

BAGS, Water Carrying

Alward-Anderson-Southard Co., Chicago, Ill.
Ames-Harris-Neville Co., San Francisco, Cal. "Desert"
Berg (F. O.) Co., Spokane, Wash.
Dafoe-Eustice Co., Detroit, Mich. "Duk-Bak"
Fulton Bag & Cotton Mills, Inc., 330 Wythe Av., B'klyn, N. Y. "Shuredry"
Hirsch-Weis Mfg. Co., Portland, Ore.
Powers Mfg. Co., Waterloo, Ia.
Pueblo Tent & Awning Co., Inc., Pueblo, Colo.
Rome Sporting Goods Mfg. Co., Rome, N. Y.
Schaefer Tent & Awning Co., Denver, Colo. "Red Seal"
Wenzel (Herman) Tent & Duck Co., St. Louis, Mo.
Werner Canvas Products Co., 2 Water, B'klyn, N. Y.

BAIT BOXES—See Boxes, Fishing Tackle

BAIT CANS—See Cans, Bait

BAIT TRAPS—See Traps, Bait

BAITS, Fish, Artificial
(See also Spoons and Spinners, Trolling)

Abbey & Imbrie, Utica, N. Y.
American Fork & Hoe Co., Cleveland, O. "Al Foss," "Musky Oriental Wiggler," "Shimmyette Fly-Rod Wiggler," "True Temper"
Arbogast, Fred, Akron, O. "Tin Liz"
Chester (F. E.) Mfg. Co., Providence, R. I.
Chubb (T. H.) Rod Co., Post Mills, Vt.
Creek Chub Bait Co., Garrett, Ind. "Injured Minnow," "Jointed Pikie Minnow," "Pikie Minnow," "The Beetle," "The Darter," "The Sucker"
Decker, A. B., Lake Hopatcong, N. J.
Enterprise Mfg. Co., Dept. HA, Akron, O. "Biz," "Buffalo," "Bucktail," "Burlie," "Canadian Special," "Catalina," "Devon," "Float-Rite," "Fourbrothers," "Globe," "Hoptoit," "Kawartha," "Kent Frog," "Last Word," "Live Wire," "Lowe Star," "Luminous," "Magic," "Magnet," "Metalized," "Muskill," "Neverfail," "Pakron," "Pal-O-Mine," "Pelican," "Peerless," "Pflueger Bull Dog," "Phantom," "Pork Rind," "Portage," "Razem," "Surprise," "TNT," "Wizard"
Eppinger, Lou J., Detroit, Mich. "Dardevle," "Eppinger"
Gayle (Geo. W.) & Son, Frankfort, Ky. "Kentucky Steel Back"
Go-Ite Mfg. Co., Flint, Mich.
Gray Bait Co., Leominster, Mass.
Hildebrandt (J. J.) Co., Logansport, Ind.
Hoag (M. E.) Fly & Tackle Co., Los Angeles, Cal.
Horrocks-Ibbotson Co., Dept. S, Utica, N. Y.
Jamison, W. J., Chicago, Ill.
Junod (P.) & Co., Celina, O.
Keeling (Fred C.) & Co., Rockford, Ill.
Knowles (S. E.) Co., San Francisco, Cal.
Marathon Bait Co., Wausau, Wis. "Jack's Bass-Houn"
Mills (Wm.) & Sons, 21 Park Pl., New York, N. Y.
Moonlight Bait Co., Paw Paw, Mich.
Oregon Fishing Spoon Co., Portland, Ore.
Paw Paw Bait Co., Paw Paw, Mich. "Moonlight," "Silver Creek"
Pealer (E. O.) Co., Utica, N. Y.
Peckinpaugh, E. H., Chattanooga, Tenn.
Prescott Spinner Mfg. Co., Prescott, Wis.
Shakespeare Co., Kalamazoo, Mich.
Shoff Tackle Co., Kent, Wash.
Skinner, G. M., Clayton, N. Y.
South Bend Bait Co., South Bend, Ind. "Oreno," "Teas-Oreno"
Stanley & Williams Bait Co., Chicago, Ill. "Buck Tail," "Sure Lure"
Streich Mfg. Co., Joliet, Ill. "Streich's Acro-Bait," "Streich's Flex-O-Mino"
Sutton Co., Naples, N. Y.
Upco Co., Manistee, Mich.
Weber Lifelike Fly Co., Stevens Point, Wis.
Wilson, Al., San Francisco, Cal.
Wright & McGill Co., Denver, Colo.

BAITS, Fish, Preserved

Abbey & Imbrie, Utica, N. Y.
Horrocks-Ibbotson Co., Dept. S, Utica, N. Y.
Piper & Taft, Seattle, Wash.

BAITS, Pork Rind Strips

American Fork & Hoe Co., Cleveland, O. "AlFoss," "Dixie," "Frog," "Mouse," "Oriental," "Shimmy," "Shimmyette," "Wigglers"

BAKERS' BRUSHES—See Brushes, Bakers'

BAKERS, Cookie

Elgin Stove & Oven Co., Elgin, Ill.
Home Products Co., Cleveland, O.
National Enameling & Stamping Co., Milwaukee, Wis.
Sandvik Saw & Tool Corp., Minneapolis, Minn. "Sandbakelse" (Imported)
West Bend Aluminum Co., West Bend, Wis.

BAKING GLASS WARE—See Ware, Oven

BAKING OVENS—See Ovens, Baking

BAKING PANS—See kind desired, under Pans

BALANCES, Sash

Acme Spring Sash Balance Co., Los Angeles, Cal.
B. & P. Hardware Mfg. Co., Pasadena, Cal.
Brock Glass Co., Ltd., Santa Ana, Cal.
Caldwell Mfg. Co., Rochester, N. Y.
Graves (Frank) Sash Door & Mill Co., Los Angeles, Cal.
Pearsall Mfg. Co., Rochester, N. Y. "Sterling"
Pullman Mfg. Co., Rochester, N. Y. "Unit"

BALANCES, Spring

American Stainless Knife Co., Chicago, Ill.
Boker (H.) & Co., 101 Duane, New York, N. Y.
Forschner (R. H.) Co., 230 3rd Av., New York, N. Y.
Hanson Scale Co., Chicago, Ill. "Way-Rite"
Landers, Frary & Clark, New Britain, Conn. "Universal"
Pelouze Mfg. Co., Chicago, Ill.
Standard Scale & Supply Co., Pittsburgh, Pa.

BALCONIES—See Iron Work, Ornamental

BALCONY RAILING—See Railing, Porch, Counter, Balcony, Etc.

BALE BANDS—See Ties, Bale

BALE BUCKLES—See Buckles, Bale

BALE TIES—See Ties, Bale

BALERS, Paper

Alsteel Mfg. Co., Battle Creek, Mich.
Davenport Mfg. Co., Davenport, Ia. "Schick"
Economy Baler Co., Ann Arbor, Mich.
Gem Mfg. Co., Bascom, Ohio. "Domestic," "Midget"
New York Machinery Co., 27 W. 24th, New York, N. Y.
United Steel & Wire Co., Battle Creek, Mich. "Pak-Tite"

BALING PRESS FORKS—See Forks, Baling Press

BALLAST OR STONE FORKS—See Forks, Stone or Ballast

BALL BEARING HINGES—See Hinges, Ball Bearing

BALL BEARINGS—See Bearings, Ball

BALL PEIN HAMMERS—See Hammers, Machinists'

BALLOONS, Rubber

Anderson Rubber Co., Akron, O.
B. & G. Rubber Co., Nankin, O.
Barr Rubber Products Co., Sandusky, O.
Eagle Rubber Co., Ashland, O.
Faultless Rubber Co., Ashland, O.
Maple City Rubber Co., Norwalk, O.
Mohican Rubber Co., Ashland, O.
Oak Rubber Co., Ravenna, O.
Pacific Balloon Co., Riverside, Cal.
Paramount Rubber Co., Phila., Pa.
Perfect Rubber Co., Mansfield, O.
Pioneer Rubber Co., Willard, O.
Rex Rubber & Novelty Co., 96 Warren, New York, N. Y.
Rubber City Distributing Co., Akron, O.
Seamless Rubber Co., New Haven, Conn.
Toycraft Rubber Co., Ashland, O. "Toyco"
Western Reserve Rubber Co., Akron, O.
Wooster Rubber Co., Wooster, O.

BALLS, Base

De Beer (J.) & Sons, Albany, N. Y.
Draper-Maynard Co., Plymouth, N. H.
Giant Mfg. Co., Council Bluffs, Ia.
Goldsmith's (P.) Sons, Cincinnati, O.
Ken-Wel Sporting Goods Co., Utica, N. Y. "Dazzy Vance"
National Base Ball Mfg. Co., Schenectady, N. Y.
National Sporting Goods Mfg. Co., St. Louis, Mo.
Peach-Tober Sporting Goods Co., Hartford, Conn.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.) Wright & Ditson, Inc., Phila., Pa.
Reg'lar Fellers, Cincinnati, O.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stall & Dean, Brockton, Mass.
Wilson-Western Sporting Goods Co., Chicago, Ill.
Young (Geo.) Co., Chicago, Ill.

BALLS, Base, Indoor

Brine (Jas. E.) Co., Boston, Mass.
De Beer (J.) & Sons, Albany, N. Y.
Denkert (M.) Co., Johnstown, N. Y.
Goldsmith's (P.) Sons, Cincinnati, O.
Medart (Fred) Mfg. Co., St. Louis, Mo.
Peach-Tober Sporting Goods Co., Hartford, Conn.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Reg'lar Fellers, Cincinnati, O.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stall & Dean Mfg. Co., Brockton, Mass.
Wilson-Western Sporting Goods Co., Chicago, Ill.
Young (Geo.) & Co., Chicago, Ill.

BALLS, Basket

Ace Leather Goods Co., Salem, Mass.
American Playground Device Co., Anderson, Ind.
Denkert (M.) & Co., Johnstown, N. Y.
Draper-Maynard Co., Plymouth, N. H.
Dubow (J. A.) Mfg. Co., Inc., Chicago, Ill.
Goldsmith's (P.) Sons, Cincinnati, O.
Ken-Wel Sporting Goods Co., Utica, N. Y.
National Sporting Goods Mfg. Co., St. Louis Mo. "Craig Ruby"
Oliver Bros., Phila., Pa.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Reg'lar Fellers, Cincinnati, O.
Rubber Patents Corp., Grand Rapids, Mich.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stall & Dean, Brockton, Mass.
Wilson-Western Sporting Goods Co., Chicago, Ill.

BALLS, Billiard and Pool

Albany Billiard Ball Co., Albany, N. Y.
Brunswick-Balke-Collender Co., Chicago, Ill.
Liberty Mfg. Co., Norwalk, Conn.
Portland Billiard Ball Co., Portland, Me.
Shardlow Mfg. Co., 72 Murray, New York, N. Y.

BALLS, Bowling
(See also Pins, Ten)

Brunswick-Balke-Collender Co., Chicago, Ill.
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Novelty Turning Co., Norway, Me.
Ohio Wood Turning Co., Cleveland, O.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stevens (B. A.) Co., Toledo, O.
Stiles (H. A.) & Co., Boston, Mass.
Stow & Woodward Co., Newton Upper Falls, Mass.

BALLS, Cork

Acme Cork Co., 899 Third Av., New York, N. Y.
Chester (F. E.) Mfg. Co., Providence, R. I.

BALLS, Cricket

Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.

BALLS, Croquet

Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Stiles (H. A.) & Co., Boston, Mass.
Stow & Woodward Co., Newton Upper Falls, Mass.

BALLS, Flush Tank

Alsix Co., Ltd., Los Angeles, Cal. "Kantleak"
American Rubber Products Corp., 125 E. 46th, New York, N. Y. "Arpco," "Cop R top"
Auburn Leather Goods Co., Hartford, Conn. "Algco"
Canfield Rubber Co., Bridgeport, Conn.
Chicago Specialty Mfg. Co., Chicago, Ill.
Holland Rubber Co., 26 Warren, New York, N. Y.
Keystone Brass & Rubber Co., Phila., Pa.
Kirkhill Rubber Co., Los Angeles, Cal.
Laurel Co., Garfield, N. J. "Superba"
Rodale Mfg. Co., Inc., Emaus, Pa.
Stokes (Jos.) Rubber Co., Trenton, N. J.
U. S. Rubber Co., 1790 Bway., New York, N. Y.

BALLS, Foot

Ace Leather Goods Co., Salem, Mass.
Anderson Rubber Co., Akron, O.
Denkert (M.) & Co., Johnstown, N. Y.
Draper-Maynard Co., Plymouth, N. H.
Dubow (J. A.) Mfg. Co., Inc., Chicago, Ill.
Giant Mfg. Co., Council Bluffs, Ia.
Goldsmith's (P.) Sons, Cincinnati, O.
Goodrich (B. F.) Rubber Co., Akron, O.
Ken-Wel Sporting Goods Co., Utica, N. Y.
Majestic Rubber Co., Akron, O.
National India Rubber Co., Bristol, R. I.
National Sporting Goods Mfg. Co., St. Louis, Mo.
Oliver Bros., Philadelphia, Pa.
Pioneer Rubber Co., Willard, O.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.) Wright & Ditson, Inc., Phila., Pa.
Reg'lar Fellers, Cincinnati, O.
Rubber Patents Corp., Grand Rapids, Mich.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stall & Dean Mfg. Co., Brockton, Mass.
Troxel Mfg. Co., Elyria, O.
Wilson-Western Sporting Goods Co., Chicago, Ill.

BALLS, Fuller
(See also Balls, Rubber)

Auburn Leather Goods Co., Hartford, Conn. "Algco"
Canfield (H. O.) Co., Bridgeport, Conn. "Perfect"
Canfield Rubber Co., Bridgeport, Conn.
Crane Co., Chicago, Ill.
Diamond Rubber Co., Inc., Akron, O.
Durst Mfg. Co., 468 Bway., New York, N. Y.
Frank Bros. Mfg. Co., 476 Broome, New York, N. Y.
Good Mfg. Co., 305 E. 134th, New York, N. Y.
Goodrich (B. F.) Rubber Co., Akron, O.
Jenkins Bros., 80 White, New York, N. Y.
Lavelle Rubber Co., Chicago, Ill. "Lucky Strike"
Norwalk Mfg. Co., East Norwalk, Conn.
Quaker City Rubber Co., Phila., Pa.
Republic Rubber Co., Youngstown, O.
Ryan (J. J.) Co., Chicago, Ill. "Faultless"
Schacht Rubber Mfg. Co., Huntington, Ind. "Daisy"
U. S. Rubber Co., 1790 Bway., New York, N. Y.
Williams Bowmen Rubber Co., Cicero, Ill. "Willbow"
Woodward-Wanger Co., Phila., Pa. "Enduro"

BALLS, Golf

Beckley-Ralston Co., Chicago, Ill. "North British," "Peak," "Stroke Saver"
BonDee Golf Ball Co., Detroit, Mich.
Buhrke (R. H.) Co., Chicago, Ill.
Burke Golf Co., Newark, O.
Crawford, McGregor & Canby Co., Dayton, O.
Dunlop Tire & Rubber Corp. of America, Buffalo, N. Y.
Electra Mfg. Co., Kansas City, Mo. "Highlander"
Faultless Rubber Co., Ashland, O. "Wearever"
Gates Rubber Co., Denver, Colo. "Congress," "Vulco"
Goldsmith (P.) Sons Co., Cincinnati, O.
Goodrich (B. F.) Rubber Co., Akron, O.
Hillerich & Bradsby Co., Louisville, Ky. "Grand Slam," "LoShore," "Zing"
Ken-Wel Sporting Goods Co., Utica, N. Y.
Kroyden Co., Maplewood, N. J.
Midwest Golf Products Co., St. Clair, Mich.
Mitchell & Ness, Phila., Pa.
Paracord Co., Johnson City, N. Y.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa. "Bullet," "Eagle"
St. Mungo Mfg. Co., 121 Sylvan Av., Newark, N. J.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stall & Dean, Brockton, Mass.
Stephens (A. J.) & Co., Kansas City, Mo.
United States Rubber Co., 1790 Bway., New York, N. Y.
Van Cleef Bros., Chicago, Ill. "Vanite"
Vulcan Golf Co., Portsmouth, O.
Wilson-Western Sporting Goods Co., Chicago, Ill.
Worthington Mfg. Co., Elyria, O.
Young (L. A.) Spring & Wire Corp., Detroit, Mich. "Hagen Getaway," "Walter Hagen"

BALLS, Hand

De Beer (J.) & Sons, Albany, N. Y.
Draper-Maynard Co., Plymouth, N. H.
Goodrich (B. F.) Co., Akron, O.
Ken-Wel Sporting Goods Co., Utica, N. Y.
Rawlings Mfg. Co., St. Louis, Mo.
Rubber Patents Corp., Grand Rapids, Mich.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Tyer Rubber Co., Andover, Mass. "Peppy"

BALLS, Lacrosse

Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.

BALLS, Medicine

Draper-Maynard Co., Plymouth, N. H.
Goldsmith's (P.) Sons, Cincinnati, O.
Ken-Wel Sporting Goods Co., Utica, N. Y.
Medart (Fred) Mfg. Co., St. Louis, Mo.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Rubber Patents Corp., Grand Rapids, Mich.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stall & Dean Mfg. Co., Brockton, Mass.
Wilson-Western Sporting Goods Co., Chicago, Ill.

BALLS, Ox

Corbin, P. & F., New Britain, Conn.
Sargent & Co., New Haven, Conn.
Woodruff (Walter W.) & Sons Co., Mt. Carmel, Conn.

BALLS, Polo, Water

Draper-Maynard Co., Plymouth, N. H.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Rubber Patents Corp., Grand Rapids, Mich.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.

BALLS, Pool—See Balls, Billiard and Pool

BALLS, Push

Draper-Maynard Co., Plymouth, N. H.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.

BALLS, Roque

Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stow & Woodward Co., Newton Upper Falls, Mass.

BALLS, Rubber

Anderson Rubber Co., Akron, O.
Barr Rubber Products Co., Sandusky, O.
Baumann Rubber Co., New Haven, Conn.
Boston Leather Specialties, Inc., Everett, Mass.
Eagle Rubber Co., Ashland, O.
Essex Rubber Co., Trenton, N. J. "World of Fun"
Faultless Rubber Co., Ashland, O.
Goodrich (B. F.) Rubber Co., Akron, O.
Miller Rubber Co., Inc., Akron, O.
Oak Rubber Co., Ravenna, O.
Paramount Rubber Consolidated, Inc., Paterson, N. J.
Seamless Rubber Co., New Haven, Conn.
Tillinghast (B. C.) Rubber Co., Inc., Phila., Pa.
U. S. Rubber Co., 1790 Bway., New York, N. Y.

BALLS, Soccer

Ace Leather Goods Co., Salem, Mass.
Draper-Maynard Co., Plymouth, N. H.
Dubow (J. A.) Mfg. Co., Inc., Chicago, Ill.
Ken-Wel Sporting Goods Co., Utica, N. Y.
Reg'lar Fellers, Cincinnati, O.
Rubber Patents Corp., Grand Rapids, Mich.
Wilson-Western Sporting Goods Co., Chicago, Ill.

BALLS, Squash

Goodrich (B. F.) Rubber Co., Akron, O.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.

BALLS, Steel, Bronze, Monel Metal, Stainless Steel
(See also Bearings, Ball)

Abbott Ball Co., Hartford, Conn.
American Ball Co., Minneapolis, Minn. "Bulls Eye"
American Ball Co., Providence, R. I.
American Forge Wks., Denver, Col.
Auburn Ball Bearing Co., Rochester, N. Y.
Bemco Mfg. Co., 1755 B'way, New York, N. Y.
Chicago Roller Skate Co., Chicago, Ill.
Excelsior Steel Ball Co., Military Rd., Buffalo, N. Y.
Hider Steel Ball Wks., Binghamton, N. Y.
Hoover Steel Ball Co., Ann Arbor, Mich.
McIntyre Mach. Wks., Hartford, Conn.
Metal Specialty Mfg. Co., Waterbury, Conn. "Wamsco."
New Departure Mfg. Co., Bristol, Conn.
Nice Ball Bearings Co., Philadelphia, Pa.
Probst (C. F.) Mfg. Co., Waterbury, Conn.
Richardson Ball Bearing Skate Co., Chicago, Ill.
SKF Industries, Inc., 165 Bway., New York, N. Y. "Atlas"
Schatz Mfg Co., Caster Division, Poughkeepsie, N. Y.
Standard Steel & Bearings, Inc., Philadelphia, Pa.
Tioga Steel & Iron Co., Philadelphia, Pa.
Transmission Ball Bearing Co., Buffalo, N. Y.
U. S. Ball Bearing Co., Chicago, Ill. "Strom."
Waterbury Steel Ball Co., Poughkeepsie, N. Y.

BALLS, TANK—See Balls, Flush Tank

BALLS, Tea

Aluminum Goods Mfg. Co., Manitowoc, Wis.
Aluminum & Metal Products Co., Buffalo, N. Y. "Magic."
Fargo Aluminum Co., Taunton, Mass.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Landers, Frary & Clark, New Britain, Conn. "Universal."
Parker Wire Goods Co., Worcester, Mass.
Rochester Stamping Co., Rochester, N. Y.
Standard Aluminum Co., Two Rivers, Wis.

BALLS, Tennis

Brine (Jas. W.) Co., Boston, Mass.
Draper-Maynard Co., Plymouth, N. H.
Goldsmith's (P.) Sons, Cincinnati, O.
Goodrich (B. F.) Rubber Co., Akron, O.
Ken-Wel Sporting Goods Co., Utica, N. Y.
Mitchell & Ness, Philadelphia, Pa.
Pennsylvania Rubber Co. of America, Inc., Jeannette, Pa.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Sametz (Louis), Inc., Westport, Conn. "Tournament."
Seamless Rubber Co., New Haven, Conn.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stall & Dean, Brockton, Mass.
Wilson-Western Sporting Goods Co., Chicago, Ill.

BALLS, Tether

Draper-Maynard Co., Plymouth, N. H.
Medart (Fred) Mfg. Co., St. Louis, Mo.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.

BALLS, Volley

Ace Leather Goods Co., Salem, Mass.
Brine (Jas. W.) Co., Boston, Mass.
Denkert (M) & Co., Johnstown, N. Y.
Draper-Maynard Co., Plymouth, N. H.
Goldsmith's (P.) Sons, Cincinnati, O.
Ken-Wel Sporting Goods Co., Utica, N. Y.
Medart (Fred) Mfg. Co., St. Louis, Mo.
National Sporting Goods Mfg. Co., St. Louis, Mo.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Reg'lar Fellers, Cincinnati, O.
Rubber Patents Corp., Grand Rapids, Mich. "Ball-O-Fun."
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stall & Dean Mfg. Co., Brockton, Mass.
Wilson-Western Sporting Goods Co., Chicago, Ill.

BALLS, Wooden

American Sash & Door Co., Kansas City, Mo.
Bogert & Hopper, Inc., 64 Barclay, New York, N. Y.
Carr, Ryder & Adams Co., Dubuque, Ia.
Piqua Handle & Mfg. Co., Piqua, O.
Rowe (Henry) Mfg. Co., Newaygo, Mich.
Stiles (H. A.) & Co., Boston, Mass.

BAMBOO BROOMS—See Brooms, Bamboo

BAMBOO POLES—See Poles, Bamboo

BANANA KNIVES—See Knives, Banana

BAND SAWS, METAL CUTTING—See Saws, Band, Metal Cutting

BAND SAWS, WOOD CUTTING—See Saws, Band, Wood Cutting

BANDAGE KNIVES—See Knives, Bandage

BANDS, Bale—See Ties, Bale

BANDS, Hose—See Clamps, Hose

BANDS, Lead—See Traps & Bands, Lead

BANDS, Leg, Poultry

Aluminum Goods Mfg. Co., Manitowoc, Wis.
Bayerdoreffer, M., Huguenot Pk., S. I., N. Y. "Bandettes," "Spiralets"
Brower Mfg. Co., Quincy, Ill.
Caldwallader, Thos., Salem, Ohio. "Champion"
Collins, W. H., 445 Greenwich, New York, N. Y.
Dana (C. H.) Co., West Lebanon, N. H.
Glenfield Supply Co., Glenfield, Pa. "Ripper's Security Sealed"
Hoeft & Co., Inc., 2309 Davis, North Chicago, Ill. "Moe's"
Illinois Supply Co., Aurora, Ill. "Illco"
Keyes-Davis Co., Battle Creek, Mich. "Colored Leader," "Double Clinch," "K-D Sealed," "Leader," "Smith Sealed," "Universal"
Perfecto Co., Bellmore, N. Y.
Pratt (Wm. E.) Mfg. Co., Chicago, Ill.
Royal Mfg. Co., Toledo, O.
Spiller, Arthur P., Beverly, Mass. "Ajax," "Coloroid," "Eclipse"
West Bend Aluminum Co., West Bend, Wis.

BANDS, Locking, Fishing Reel

Enterprise Mfg. Co., Dept. HA, Akron, O.

BANJO CLOCKS—See Clocks, Banjo

BANK GATES—See Gates, Bank

BANKS, Children's

Arcade Mfg. Co., Freeport, Ill. (Iron.)
Behrend & Rothschild, 353 Bway., New York, N. Y.
Bogert & Hopper, 223 Varick, New York, N. Y.
Corbin Cabinet Lock Co., New Britain, Conn.
Dudley Lock Corp, Chicago, Ill.
Durable Toy & Novelty Co., 215 Fourth Av., New York, N. Y. "Uncle Sam"
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Grey Iron Casting Co., Mt. Joy, Pa.
Hill (N. N.) Brass Co., East Hampton, Conn.
Hoge Mfg. Co., 23 E. 21st, New York, N. Y. "Federal," "Premier" (Registering)
Hubley Mfg. Co., Lancaster, Pa.
Kenton Hdw. Co., Kenton, O.
Kingsbury Mfg. Co., Keene, N. H. "Banclock," "Moto-Bank"
Nicol & Co., Chicago, Ill.
Patent Novelty Co., Fulton, Ill.
Pearsall Mfg. Co., Rochester, N. Y.
Russell, Chas. Lee, 199 Cook, Bklyn, N. Y.
Shonk (Chas. W.) Co., Maywood, Ill.
Stevens (J. & E.) Co., Cromwell, Conn.

BANKS, Toy—See Banks, Children's

BARBED FENCE WIRE—See Wire, Barbed

BARBED NAILS—See Nails, Barbed

BARBED WIRE—See Wire, Barbed

BAR BELLS—See Bells, Bar

BARBERS' SHEARS—See Shears, Barbers'

BAR CUTTERS—See Cutters, Rod, Wire and Bar

BAR CUTTERS, CONCRETE—See Cutters, Concrete Bar

BAR CUTTING SHEARS—See Shears, Bar Cutting

BAR IRON—See Steel or Iron, Bar

BAR SOLDER—See Solder, Bar

BAR STAPLES—See Staples, Bar

BAR STEEL—See Steel or Iron, Bar; also Steel. Cold Rolled Bar

BAR TIN—See Tin, Bar

BARN BROOMS—See Brooms, Street and Stable

BARN CUPOLAS—See Ventilators and Cupolas, Barn

BARN DOOR HANGERS—See Hangers, Door

BARN DOOR HINGES—See type desired, under Hinges

BARN DOOR HOLDERS—See Holders, Door

BARN DOOR LATCHES—See Latches, Door

BARN DOOR LOCKS—See type desired, under Locks

BARN DOOR STAY ROLLERS—See Rollers, Stay, Barn Door

BARN PAINTS—See Paints, Barn

BARN SCRAPERS—See Cleaners, Sidewalk

BARN VENTILATORS—See Ventilators and Cupolas, Barn

BAROMETERS—See Thermometers

BARREL BOLTS—See Bolts, Door and Window

BARREL BUNGS—See Bungs, Barrel

BARREL CARTS—See Carts, Barrel

BARREL GAGING AND WANTAGE RODS—See Rods, Barrel Gaging and Wantage

BARRELING HATCHETS—See Hatchets, Barreling

BARRELS and KEGS

Allied Barrel Co., Cleveland, O. "A B C"
Alton Steam Cooperage Co., Alton, Ill.
Barron Cooperage Co., Springfield, Mo.
Bell (Edwin) Co., S. 17th, Pittsburgh, Pa.
Bettis (H.) Co., Wheeling, W. Va.
Boaz Barrel Co., Palatka, Fla.
Boyer, Elton G., Biglerville, Pa.
Burkhartsmeier (D.) Cooperage Co., Chicago, Ill.
California Barrel Co., San Francisco, Cal.
Colwell Cooperage Co., Foot Jersey Av., Jersey City, N. J. "Colco"
Farmers Mfg. Co., Norfolk, Va.
Fessenden Companies, Inc., Townsend, Mass.
Godar (Chas.) Co., Inc., Grafton, Ill.
Greif Bros. Cooperage Co., Cleveland, Ohio
Inwood Cooperage Co., Inwood, W. Va.
Jacobs (K. W.) Cooperage Co., Milwaukee, Wis.
Kelley (J. R.) Cooperage Co., Kansas City, Kan.
Kimball-Tyler Co., Baltimore, Md.
Mill Shoals Cooperage Co., St. Louis, Mo.
Moore (J. W.) Cooperage Co., Marshall, Mo.
Murray, C. E., Decherd, Tenn.
Pensacola Cooperage Co., Pensacola, Fla.
St. Louis Cooperage Co., St. Louis, Mo.
Sandusky Cooperage & Lbr. Co., St. Louis, Mo.
Schaperkotter Cooperage Co., St. Louis, Mo.
Skuses Cooperage, Rochester, N. Y.
Van Agtheven Sons, Cincinnati, Ohio
Virginia Barrel Co., Winchester, Va.
Weinrich Cooperage Co., Burlington, Ia.
Walsh Cooperage Co., Pittsburgh, Pa.
Western Cooperage Co., Portland, Ore.
Wunderlich (Chas.) Cooperage Co., St. Louis, Mo.

BARRELS, Vinegar—See Barrels and Kegs

BARRELS, Wine—See Barrels and Kegs

BARROW WHEELS—See Wheels, Wheelbarrow

BARROWS, Brick—See Wheelbarrows, All Types and Classifications

BARROWS, Coal, Concrete and Mortar—See Wheelbarrows, All Types and Classifications

BARROWS, Garden—See Wheelbarrows, All Types and Classifications

BARROWS, Steel Tray—See Wheelbarrows, All Types and Classifications

BARROWS, Steel Tubular—See Wheelbarrows, All Types and Classifications

BARROWS, Toy—See Wheelbarrows, Children's

BARROWS, Wheel—See Wheelbarrows, All Types and Classifications

BARROWS, Wheel, Children's—See Wheelbarrows, Children's

BARS, Clothes

Bunker-Clancey Mfg. Co., Kansas City, Mo. "B-C" (Adjustable)
Chicago Curtain Stretcher Co., Chicago, Ill.
Clark (J. R.) Co., Minneapolis, Minn.
Combination Ladder Co., Providence, R. I.
Eclipse Co., N. Girard, Pa.
Gem Mfg. Co., Bascom, O. "Handy," "High Diamond," "Low Diamond," "Round Double Standard," "Square Double Standard," "Up and Down"
Gem Mfg. Co., N. Girard, Pa. "Favorite"
Geneva Mfg. Co., Geneva, Ill.
Illinois Specialty Co., Tuscola, Ill. "Star"
Kersten Co., Inc., Chicago, Ill.
Martcross Co., Chicago, Ill.
Moulton (C. W. H.) Co., Somerville, Mass.
Neatway Co., Detroit, Mich.
Parker Wire Goods Co., Worcester, Mass.
Stanley Wks., New Britain, Conn.
Stevenson Mfg. Co., South Bend, Ind.
Young Bros. Co., Worcester, Mass.

BARS, Crow

Bonney Forge & Tool Wks., Allentown, Pa.
Collins Co., Collinsville, Conn. "Legitimus"
Columbus Handle & Tool Corp. Works of the National Handle Co., Columbus, Ind.
Fulton Tool Wks., Inc., Pittsburgh, Pa.
Hubbard & Co., Pittsburgh, Pa.
Iron City Tool Wks., Pittsburgh, Pa.
Klein-Logan Co., Pittsburgh, Pa.
Martin Hardsocg Co., Pittsburgh, Pa.
Milwaukee Tool & Forge Co., South Milwaukee, Wis.
Oliver Iron & Steel Co., Pittsburgh, Pa. "Tyrone"
Oxford Tool Co., Phila., Pa.
Stortz (John) & Son, Phila., Pa.
Union Drop Forge Co., W. Grand Av., Chicago, Ill.
Warren Tool & Forge Co., Warren, O. "Quickwerk"
Warwood Tool Co., Wheeling, W. Va.
Withers Foundry & Mach. Wks., Atlanta, Ga.
Wooding-Verona Tool Works, Verona, Pa.

BARS, Lead

National Lead Co., 111 B'way, New York, N. Y.

BARS, Pinch

American Swiss File & Tool Co., Elizabeth, N. J.
Cincinnati Tool Co., Montgomery Rd., Cincinnati, O. "Hargrave"
Fairmount Tool & Forging Co., Cleveland, O.
Fulton Tool Wks., Inc., Pittsburgh, Pa.
Hubbard & Co., Pittsburgh, Pa.
Iron City Tool Wks., Pittsburgh, Pa.
Leetonia Tool Co., Leetonia, O.
Oxford Tool Co., Phila., Pa.
Ryan (James J.) Tool Wks., Southington, Conn.
Valley Forging Co., Verona, Pa.
Warwood Tool Co., Wheeling, W. Va.
Webster Mfg. Co., Chicago, Ill.
What Cheer Tool Co., What Cheer, Ia.
Wooding-Verona Tool Wks., Verona, Pa.

BARS, Prying—See Bars, Wrecking

BARS, Push

American Enameled Products Co., Chicago, Ill. "Sno-Wite"
Champion Hdw. Co., Geneva, O.
Corbin, P. & F., New Britain, Conn.
Detroit Hardware Mfg. Co., Detroit, Mich.
Fiwale Equipment Mfg. Co., Inc., 64 Reade, New York, N. Y.
Garden City Plating & Mfg. Co., Chicago, Ill.
Imperial Brass Mfg. Co., Chicago, Ill.
Kees (F. D.) Mfg. Co., Beatrice, Neb.
Kersten Co., Inc., Chicago, Ill.
Lockwood Mfg. Co., Fitchburg, Mass.
Michaels Art Bronze Co., Covington, Ky.
Midwest Hardware Co., Chicago, Ill.
Monarch Mfg. Co., Detroit, Mich.
National Brass Mfg. Co., Cincinnati, O.
Payson Mfg. Co., Chicago, Ill.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.
Schlangen Mfg. Co., Chicago, Ill.
Service Mfg. Co., Inc., Chicago, Ill.
Shelby Spring Hinge Co., Shelby, O.
Slaymaker Lock Co., Lancaster, Pa.
Yale & Towne Mfg. Co., Stamford, Conn.

BARS, Swivel

Hess (Chas.) Co., 49-14 Metropolitan Av., B'klyn, N. Y.

BARS, Towel

American Enameled Products Co., Chicago, Ill. "Sno-Wite"
American Ring Co., Waterbury, Conn. "Ringco"
Art Brass Co., 299 E. 134th, New York, N. Y. "San-o-la"
Atlas-Ansonia Co., New Haven, Conn.
Autotyre Co., Oakville, Conn. "Maid-En-White"
Bache (Semon) & Co., 636 Greenwich, New York, N. Y.
Baker (S. D.) Corp., 234 W. 14th, New York, N. Y. "Samsonchina"
Balmer (J. H.) & Co., 399 Central Av., Newark, N. J. "Unity"
Borin-Vivitone Corp., Chicago, Ill. (With Mirror)
Boston Mirror Co., Boston, Mass.
Brilliant Glass Products, Inc., Weston, W. Va. "Westite"
Brooks (M. S.) & Sons, Chester, Conn.
Central Specialty Mfg. Co., Chicago, Ill.
Ceramic Specialties, Inc., 154 Nassau, New York, N. Y. "Ceramo," "Sanilith"
Ely Mfg. Co., Girard, Pa.
Eustis (J. P.) Mfg. Co., Cambridge, Mass. "Brasscrafters"
Garden City Plating & Mfg. Co., Chicago, Ill.
Handy Things Mfg. Co., Ludington, Mich.
Hopkins (L.) Mfg. Co., N. Girard, Pa.
Kersten Co., Inc., Chicago, Ill.
Kimble Glass Co., Vineland, N. J.
Koering Glass Co., Vineland, N. J. (Glass Bent Ends)
Landers, Frary & Clark, New Britain, Conn.
Larson (Chas. O.) Sterling, Ill.
Manhattan Mfg. & Jobbing Co., 182 Av. C., New York, N. Y.
Michigan Metal Products Co., Battle Creek, Mich.
Parker Wire Goods Co., Worcester, Mass.
Parks & Parks, Troy, N. Y.
Pocono Metal Mfg. Co., East Stroudsburg, Pa.
Racine Iron & Wire Wks., Racine, Wis.
Russell (Jno. M.) Mfg. Co., Inc., Naugatuck, Conn.
Searls Mfg. Co., 29 Mulberry, Newark, N. J.
Sommer (J. L.) Mfg. Co., 251 New Jersey Railroad Av., Newark, N. J.
Standard Sanitary Mfg. Co., Pittsburgh, Pa.
Sterling Stamping Co., Sterling, Ill.
Tru-Lite Mfg. Co., Bradford, Pa.
United States Lock & Hdwe. Co., Columbia, Pa.
Utility Mfg. Co., Baltimore, Md.
Vineland Flint Glass Wks., Vineland, N. J.

BARS, Towel (Continued)

Washburn Company, Worcester, Mass. "Natwire"
"White-Steel" Sanitary Furniture Co., Grand Rapids, Mich.
Willette Corp., 136 E. 57th, New York, N. Y. "Stae Fast"
Winsted Hdw. Mfg. Co.. Winsted, Conn. "Durabilt"

BARS, Wrecking

Albert Tool Co., Mercer, Pa.
American Logging Tool Co., Evart, Mich.
Champion-De Arment Tool Co., Meadville, Pa. "Critics"
Cincinnati Tool Co., Montgomery Rd., Cincinnati, O. "Hargrave"
Collins Co., Collinsville, Conn. "Legitimus"
Disston (Henry) & Sons, Inc., Tacony, Phila., Pa.
Drew (C.) & Co., Kingston, Mass.
Duffy Mfg. Co., Chicago, Ill.
Evansville Tool Wks., Inc., Evansville, Ind. "Acme," "Tested"
Fairmount Tool & Forging Co., Cleveland, O.
Franklin Equipment Co., Monticello, Ia.
Hall Mfg. Co., Cedar Rapids, Ia.
Harrold (H. J.) Tool Co., Columbiana, O.
Hood Bros., Oxford St., Philadelphia, Pa.
Hubbard Co., Pittsburgh, Pa.
Kraeuter & Co., 583 18th Av., Newark, N. J.
Leetonia Tool Co., Leetonia. O.
Marshalltown Trowel Co.. Marshalltown, Ia.
Martin Hardsocg Co., Pittsburgh, Pa.
National Tool Co., 86 Walker, New York, N. Y.
Oxford Tool Co., Phila., Pa.
Plomb Tool Co., Los Angeles, Cal.
Rainey Mfg. Co., Titusville, Pa.
Stanley Wks., New Britain, Conn.
Tiffany, Carroll R., Conklin, N. Y.
Vaughan & Bushnell Mfg. Co., Chicago, Ill. "V & B"
Vlchek Tool Co., Cleveland, O.
Warren Tool & Forge Co., Warren, O. "Quikwerk"
Warwood Tool Co., Wheeling, W. Va.
Wooding-Verona Tool Wks., Verona, Pa.

BARS, Wrecking, Gooseneck—See Bars, Wrecking

BASE BALL BASES—See Bases, Base Ball

BASE BALL BATS—See Bats, Base Ball

BASE BALL GAME BOARDS—See under Games. Unclassified

BASE BALL GLOVES—See Gloves, Base Ball

BASE BALL MITTS—See Gloves, Base Ball

BASE BALL SHOE PLATES—See Plates, Shoe. Base Ball

BASE BALL SHOES—See Shoes, Base Ball

BASE BALL SUITS—See Uniforms, Base Ball

BASE BALL UNIFORMS—See Uniforms, Base Ball

BASE BALLS—See Balls, Base

BASE BALLS, Indoor—See Balls, Base, Indoor

BASEMENT LIFTS—See Lifts, Fuel and Basement

BASEMENT WINDOWS—See Windows, Basement

BASES, Base Ball

Brine (Jas. W.) Co., Boston, Mass.
Draper-Maynard Co., Plymouth, N. H.
Goldsmith's (P.) Sons, Cincinnati, O.
Ken-Wel Sporting Goods Co., Utica, N. Y.
National Sporting Goods Mfg. Co., St. Louis, Mo.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stall & Dean Mfg. Co., Brockton, Mass.
Stratton Mfg. Co., Stratton, Me.
Triangle Sporting Goods Co., Cincinnati, O.
Wilson Western Sporting Goods Co., Chicago, Ill.

BASES, Column

Majestic Co., Huntington, Ind. (Porch)
Swett (A. L.) Iron Wks., Medina, N. Y.

BASIN COCKS—See Cocks, Basin

BASIN WRENCHES—See Wrenches, Basin

BASINS, Canvas, Folding

Alward-Anderson-Southard Co., Chicago, Ill.
Dafoe-Eustice Co., Detroit, Mich.
Hooper (Wm. E.) & Sons Co., Phila., Pa.
Planet Co., Westfield, Mass.
Stonebridge (C. H.) Mfg. Co., 23 Warren, New York, N. Y.
U. S. Rubber Co., 1790 B'way, New York, N. Y.

BASINS, WASH—See Ware, Aluminum; also Ware, Enameled; also Ware, Tin

BASKET BALL BANKS—See Equipment, Playground

BASKET BALL BLADDERS—See Bladders, Foot Ball, Etc.

BASKET BALL GOALS—See Goals, Basket Ball

BASKET BALL LACES—See Laces, Foot Ball, Etc.

BASKET BALL NETS—See Nets, Basket Ball

BASKET BALL PUMPS—See Pumps, Foot Ball, Etc.

BASKET BALL UNIFORMS—See Uniforms, Basket Ball

BASKET BALLS—See Balls, Basket

BASKET FRYERS—See Fryers, Basket

BASKETS, Clothes

Audubon Wire Cloth Co., Audubon, N. J.
Bailie Basket Co., Somerville, Mass.
Ballou (M. E.) & Son Co., Becket, Mass.
Bryant, John T., Springfield, O.
Burlington Basket Co., Burlington, Ia.
Luke Basket Co., Berrien Springs, Mich.
O'Loughlin Basket Co. Inc., Providence, R. I.
Paragon Basket Co., Grand Rapids, Mich.
Peru Basket Co., Peru, Ind.
Redmon (W. C.) Sons & Co., Peru, Ind.
Rochester Can Co., Rochester, N. Y. "Iron Horse"
Shelton Basket Co., Shelton, Conn.
Thurwachter (L. L.) & Sons, Syracuse, N. Y.

BASKETS, Coal

Ballou (M. E.) & Son Co., Becket, Mass.
Edgerton Mfg. Co., Plymouth, Ind.
Hooper (Wm. E.) & Sons Co., Phila., Pa.
Meyers (Fred J.) Mfg. Co., Hamilton, O.
Morris & Co., Groveville, N. J.
Peru Basket Co., Peru, Ind.
Sackett (H. B.) Screen & Chute Co., Chicago, Ill.
Shelton Basket Co., Shelton, Conn.
Steel Basket Co., Cedar Rapids, Ia.

BASKETS. Cooking—See Baskets, Blanching and Cooking

BASKETS, Counter Display

Grand Rapids Wire Products Co., Grand Rapids, Mich. (Collapsible)
Hamblin & Russell Mfg. Co., Worcester, Mass.
Lupton's (David Sons Co., Phila., Pa.
Meyers (Fred J.) Mfg. Co., Hamilton, O.
Norwich Wire Wks., Inc., Norwich, N. Y.
O'Loughlin Basket Co., Inc., Providence, R. I.
Parker Wire Goods Co., Worcester, Mass.
Peerless Wire Goods Co., Lafayette. Ind.
Progressive Wire Goods Co., Phila., Pa.
Rattan Mfg. Co., New Haven, Conn.
Shelton Basket Co., Shelton, Conn.
Union Steel Products Co., Albion, Mich.
United Steel & Wire Co., Battle Creek, Mich. "Steel Shod"
Washburn Company, Worcester, Mass.

BASKETS, Farm

Shelton Basket Co., Shelton, Conn.

BASKETS, Fireplace, Wood, Etc.

Adams Co., Dubuque, Ia.
Alamo Iron Wks., San Antonio, Tex.
Atlanta Stove Wks., Atlanta, Ga.
Bailie Basket Co., Somerville, Mass.
Birmingham Stove & Range Co., Birmingham, Ala.
Burlington Willow Ware Shops, Burlington, Ia.
Chattanooga Implement & Mfg. Co., Chattanooga, Tenn.
Clark (H. W.) Co., Mattoon, Ill.
Donley Bros. Co., Cleveland, O.
Howes (S. M.) Co., Boston, Mass.
Janusch Mfg. Co., 282 E. 135th, New York, N. Y.
Ohio Foundry & Mfg. Co., Steubenville, O.
Shelton Basket Co., Shelton, Conn.
Stewart Iron Wks. Co., Inc.. 814 Stewart Blk., Cincinnati, O.
Stover Mfg. & Engine Co., Freeport, Ill.
Treasure Chest, Asheville, N. C.

BASKETS, Fishermen's

Abbey & Imbrie, Utica, N. Y.
Alward-Anderson-Southard Co., Chicago, Ill. (Canvas)
Hooper (Wm. E.) & Sons Co., Phila,, Pa.
Horrocks-Ibbotson Co., Dept. S., Utica, N. Y.
Leipzig (A.), Inc., 14 W. 24th, New York, N. Y.
Massillon Wire Basket Co., Massillon, O.
Milwaukee Basket Co., South Milwaukee, Wis.
Oxford Basket & Mfg. Co., Oxford, N. Y.
Planet Co., Westfield, Mass. (Canvas)
Quinn (Larry) & Co., Milwaukee, Wis.
Rattan Furniture Mfg. Co., Seattle, Wash.
Tamann, G. E., Schulunberg, Tex.
Shakespeare Co., Kalamazoo. Mich.
Shelton Baket Co., Shelton, Conn.
Steel Basket Co., Cedar Rapids, Ia.
Utica Wire Wks., Utica, N. Y.
Van Deusen (H. M.) Whip Co., Westfield, Mass.
Zinn (Chas.) & Co., 16 E 15th, New York, N. Y.

BASKETS, Fruit Picking

Shelton Basket Co., Shelton, Conn.
Union Steel Products Co., Albion, Mich.
United Steel & Wire Co., Battle Creek, Mich.

BASKETS, Fruit, Vegetable, Etc.

Allen Package Co., Seaford. Del.
American Wire Form Co., Inc., 269 Grant Av., Jersey City, N. J.
Augusta Basket Co., Augusta. Mich.
Bacon, John, Gasport, N. Y.
Bryant, John T., Springfield, O.
Burlington Basket Co., Burlington, Ia.
Edgerton Mfg. Co., Plymouth, Ind.
Fort Valley Crate & Lumber Co., Fort Valley, Ga.
Luke Basket Co., Berrien Springs, Mich.
O'Loughlin Basket Co., Inc., Providence, R. I.
Redmon (W. C.) Sons & Co., Peru, Ind.
Shelton Basket Co., Shelton, Conn.
Treasure Chest, Asheville, N. C.
Union Steel Products Co., Albion, Mich.
Washburn Company, Worcester, Mass.

BASKETS, FRYING—See Fryers, Basket

BASKETS, Galvanized

Atlantic Stamping Co., Rochester, N. Y.
Crunden (Martin) Mfg. Co., St. Louis, Mo.
Franklin Equipment Co., Monticello, Ia.
Geuder, Paeschke & Frey Co., Milwaukee, Wis.
Hall Mfg. Co., Cedar Rapids, Ia. "Jumbo"
Lisk Mfg. Co., Ltd., Canandaigua, N. Y.
National Enameling & Stamping Co., Milwaukee, Wis.
Reeves Mfg. Co., Dover, O.
Republic Metalware Co., Buffalo, N. Y.
Robeson-Rochester Corp., Rochester, N. Y. "Royal Rochester"
Rochester Can Co., Rochester. N. Y. "Iron Horse"
Sackett (H. B.) Screen & Chute Co., Chicago, Ill.
Steel Basket Co., Cedar Rapids, Ia.
Wheeling Corrugating Co., Wheeling, W. Va.
Wheeling Steel Corp.. Wheeling, W. Va.

BASKETS, Gathering

Shelton Basket Co., Shelton, Conn.

BASKETS, Hunting—See Baskets, Pack

BASKETS, Janitor

Shelton Basket Co., Shelton, Conn.

BASKETS, Laundry—See Baskets, Clothes

BASKETS, Leaf

Cyclone Fence Co., Waukegan, Ill. (Wire)

BASKETS, Lunch—See Hampers, Baskets and Boxes, Lunch

BASKETS, Mail

Shelton Basket Co., Shelton, Conn.

BASKETS, Market

Bryant, John T., Springfield, O.
Burlington Basket Co., Burlington, Ia.
Farmers Mfg. Co., Norfolk, Va.
Maney, M. J., Geneva, N. Y.
O'Loughlin Basket Co., Inc., Providence, R. I.
Redmon (W. C.) Sons & Co., Peru, Ind.
Shelton Basket Co., Shelton, Conn.
Treasure Chest, Asheville, N. C.

BASKETS, Mill

Backus (A.) Jr. & Sons, Detroit, Mich.
Ballou (M. E.) & Son Co., Becket, Mass.
Burlington Basket Co., Burlington, Ia.
Continental Diamond Fibre Co., E. Newark, Del.
Cyclone Fence Co., Waukegan, Ill. "Catch-All"
Delaware Hard Fibre Co., Wilmington, Del.
Hardy, Frank H., Andover, Mass.
Hibbard Basket Wks., South Butler, N. Y.
Hooper (Wm. E.) & Sons Co., Phila., Pa.
Lane (W. T.) & Bro., Poughkeepsie, N. Y.
Meyers (Fred J.) Mfg. Co., Hamilton, O.
Morris & Co., Groveville, N. J.
National Fibre & Insulation Co., Yorklyn, Del.

BASKETS, Mill (Continued)

National Vulcanized Fibre Co., Wilmington, Del.
O'Loughlin Basket Co., Inc., Providence, R. I.
Rogers Fibre Co., Boston, Mass. "Leatheroid"
Shelton Basket Co., Shelton, Conn.
Spaulding (J.) & Sons Co., North Rochester, N. H.
Standard Fibre Co., Somerville, Mass.
Steel Basket Co., Cedar Rapids, Ia.
Williams Mfg. Co., Northampton, Mass.

BASKETS, Orange Picking

Shelton Basket Co., Shelton, Conn.

BASKETS, Pack

Cyclone Fence Co., Waukegan, Ill. "Catch-All"
Landon (Jud) Inc., Schenectady, N. Y.
Rome Sporting Goods Mfg. Co., Rome, N. Y.
Starks (Geo. L.) & Co., Saranac Lake, N. Y.
Stonebridge (C. H.) Mfg. Co., 23 Warren, New York, N. Y.

Baskets, Peach—See Baskets, Fruit

BASKETS, Picnic

Shelton Basket Co., Shelton, Conn.

BASKETS, Potato

Shelton Basket Co., Shelton, Conn.

BASKETS, Refrigerator

Burlington Basket Co., Burlington, Ia. "Hawkeye"
Grand Rapids Wire Products Co., Grand Rapids, Mich.
Shelton Basket Co., Shelton, Conn.
Union Steel Products Co., Albion, Mich.

BASKETS, Sponge

Parker Wire Goods Co., Worcester, Mass.
Union Steel Products Co., Dept. 13, Albion, Mich.
United Steel & Wire Co., Battle Creek, Mich.

BASKETS, Steel

Erie Art Metal Co., Erie, Pa.
Hall Mfg. Co., Cedar Rapids, Ia.
National Enameling & Stamping Co., Milwaukee, Wis.
Powell Pressed Steel Co., Hubbard, O.
Steel Basket Co., Cedar Rapids, Ia.
Union Steel Products Co., Albion, Mich.
United Steel & Wire Co., Battle Creek, Mich.
Wheeling Corrugating Co., Wheeling, W. Va.

BASKETS, Vegetable—See Baskets, Fruit, Vegetable, Etc.

BASKETS, Waste Paper

Almo Trading & Importing Co., 61 E. 11th, New York, N. Y. (Indurated Fibre)
Angle Steel Stool Co., Plainwell, Mich.
Audubon Wire Cloth Co., Audubon, N. J.
Bailie Basket Co., Somerville, Mass.
Bertels Metal Ware Co., Inc., Kingston, Pa.
Bromwell Wire Goods Co., Cincinnati, O.
Browne Morse Co., Muskegon Heights, Mich.
Burlington Basket Co., Burlington, Ia.
Burlington Willow Ware Shops, Burlington, Ia. "Willow Ware"
Capital Wire Co., Madison, Wis.
Cincinnati Galvanizing Co., Cincinnati, O. "King"
Computing Cheese Cutter Co., Anderson, Ind.
Continental Diamond Fibre Co., E. Newark, Del.
Cyclone Fence Co., Waukegan, Ill. "Catch-All"
Erie Art Metal Co., Erie, Pa. "Dan-Dee"
Franke (Geo.) Sons Co., Baltimore, Md.
Gatch Brush & Wire Goods Co., Baltimore, Md.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Hamilton Metal Products Co., Hamilton, O. "Climax"
Heywood-Wakefield Co., Boston, Mass.
Kautenberg (W. E.) Co., Freeport, Ill. (Metal)
Lawson (F. H.) Co., Cincinnati, O. "Lawco"
Luke Basket Co., Berrien Springs, Mich.
Massillon Wire Basket Co., Massillon, O. "Daisy"
Master Metal Products, Inc., Buffalo, N. Y. "Wastette"
Meyers (Fred J.) Mfg. Co., Hamilton, O.
National Enameling & Stamping Co., Milwaukee, Wis.
National Fibre & Insulation Co., Yorklyn, Del.
National Vulcanized Fibre Co., Wilmington, Del. "Vul-Cot"
Northwest Metal Products, Inc., Seattle, Wash. "Chief"
North Western Steel Products Co., Chicago, Ill. "Nemco"
Norwich Wire Wks., Norwich, N. Y.
Parker Wire Goods Co., Worcester, Mass.
Peerless Wire Goods Co., Lafayette, Ind.
Penn Art Steel Wks., Erie, Pa.
Progressive Wire Goods Co., Phila., Pa.
Reznor Mfg. Co., Mercer, Pa.
Rochester Can Co., Rochester, N. Y. "Iron Horse"
Rogers Fibre Co., Boston, Mass. "Leatheroid"
Sanitary Receiver Co., Inc., Dunkirk, N. Y. "Hydewaste"
Savory, Inc., 591 Ferry, Newark, N. J.
Schleuter Mfg. Co., St. Louis, Mo.
Shelton Basket Co., Shelton, Conn.
Standard Wire Co., New Castle, Pa.
Stow & Davis Furn. Co., Grand Rapids, Mich.
Treasure Chest, Asheville, N. C.
Union Steel Products Co., Albion, Mich. (Steel)
United Steel & Wire Co., Battle Creek, Mich.
Washburn Company, Worcester, Mass.
Wheeling Corrugating Co., Wheeling, W. Va. (Metal)
Williams Mfg. Co., Northampton, Mass.
Wire & Metal Wares Co., Erie, Pa.
Worcester Wire Novelty Co., Inc., Baltimore, Md. "Hold-em"

BASKETS, Wire

American Wire Form Co., Inc., 269 Grant Av., Jersey City, N. J.
Automatic Wire Goods Mfg. Co., 15 Canal Pl., New York, N. Y.
Buffalo Wire Wks. Co., Buffalo, N. Y.
Capital Wire Co., Madison, Wis.
Columbus Wire & Iron Wks. Co., Columbus, O.
Cyclone Fence Co., Waukegan, Ill. "Catch-All"
Gatch Brush & Wire Goods Co., Baltimore, Md.
Grand Rapids Wire Products Co., Grand Rapids, Mich.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Jelliffe (C. O.) Mfg. Corp., Southport, Conn.
Lasar Mfg. Co., St. Louis, Mo.
Massilon Wire Basket Co., Massillon, O.
Meyers (Fred J.) Mfg. Co., Hamilton, O.
Norwich Wire Wks. Co., Norwich, N. Y.
Parker Wire Goods Co., Worcester, Mass.
Peerless Wire Goods Co., Lafayette, Ind.
Progressive Wire Goods Co., Phila., Pa.
Racine Iron & Wire Wks., Racine, Wis.
Rolock, Inc., Southport, Conn.
Ruhmann, G. E., Schulenburg, Tex.
Smith (F. P.) Wire & Iron Wks., Chicago, Ill.
Smith (John P.) & Co., New Haven, Conn.
Standard Wire Co., New Castle, Pa.
Tyler (W. S.) Co., Cleveland, O.
Union Steel Products Co., Albion, Mich.
United Steel & Wire Co., Battle Creek, Mich.
Utility Mfg. Co., Baltimore, Md.
Washburn Company, Worcester, Mass.
Worcester Wire Novelty Co., Inc., Baltimore, Md. "Hold-em"
Young (L. A.) Spring & Wire Corp., Detroit, Mich.

BASKETS, Wood

Howes (S. M.) Co., Boston, Mass.
Northwest Metal Products, Inc., Seattle, Wash. "Norwesco" (Metal)
Shelton Basket Co., Shelton, Conn.

BASSINETS, Doll

Benner Mfg. Co., Lancaster, Pa.
Converse-Mason Corp., Winchendon, Mass.
Gardner Crib & Cradle Co., Gardner, Mass.
Gem Crib & Cradle Co., Gardner, Mass.
Gem Mfg. Co., Bascom, O.
Gendron Wheel Co., Toledo, O.
Harvey Mfg. Co., Columbus, O. "Joan," "Play-Maid"
Perfection Mfg. Co., St. Louis, Mo.
Schoenhut (A.) Co., Phila., Pa.
Toledo Metal Wheel Co., Toledo, O. "Blue Streak"

BASTARD FILES—See Files and Rasps

BASTING SPOONS—See Spoons, Basting

BAT BAGS—See Bags, Bat

BATH BRUSHES—See Brushes, Bath

BATH COCKS—See Cocks, Bath

BATH ROBE HOOKS—See Hooks, Coat and Hat

BATH ROOM ACCESSORIES—See Fixtures and Furnishings, Bath Room; also article desired

BATH ROOM CABINETS—See Cabinets, Bath Room, Medicine

BATH ROOM FIXTURES—See Fixtures and Furnishings, Bath Room

BATH ROOM FURNISHINGS—See Fixtures and Furnishings, Bath Room

BATH ROOM MIRRORS—See Mirrors, Bath Room

BATH ROOM SCALES—See Scales, Bath Room

BATH ROOM SINKS—See Lavatories, Pedestal & Wall

BATH ROOM STOOLS—See Stools, Bath Room

BATH SPRAYS—See Baths, Shower

BATH TUB SEATS—See Seats, Bath Tub

BATH TUBS—See Tubs, Bath

BATHING BELTS—See Belts, Bathing

BATHING CAPS—See Caps, Bathing

BATHING SHOES—See Shoes, Bathing

BATHING SUIT BAGS—See Bags, Bathing Suit

BATHING SUITS—See Suits, Bathing

BATHS, Bird

Allen (W. D.) Mfg. Co., Chicago, Ill, (Combination Lawn Sprinklers)
American Skein & Foundry Co., Racine, Wis.
Artcrete Products Co., Upper Darby, Pa.
Brock Glass Co., Ltd., Santa Ana, Cal.
Brown (E. C.) Co., Rochester, N. Y.
Buckeye Pottery Co., Macomb, Ill. "Blue Ribbon"
Burley & Winter Pottery Co., Crooksville, O. "Bur-Win"
Dodson, Joseph H., Kankakee, Ill.
Owens-Illinois Glass Co., Toledo, O.
Swett (A. L.) Iron Works, Medina, N. Y.
Youngstown Welding & Engineering Co., Youngstown, O.

BATHS, Shower and Needle

American Brass & Copper Co., 200 5th Av., New York, N. Y.
American Hinge Co., Muskogee, Okla.
Clow (Jas. B.) & Sons, Chicago, Ill.
Douglas (John) Co., Cincinnati, O.
Eichman (J. C.) Mfg. Co., Baltimore, Md.
Federal-Huber Co., Chicago, Ill.
Hodgman Rubber Co., Framingham, Mass. "Xtra-Valu"
McCambridge Co., Philadelphia, Pa.
Mott (J. L.) Iron Wks., 535 5th Av., New York, N. Y.
Nason Mfg. Co., 71 Fulton, New York, N. Y.
Nelson (N. O.) Mfg. Co., St. Louis, Mo.
Peck Bros. & Co., New Haven, Conn.
Robertson (H. E.) Co., Chicago, Ill.
Rumsey (L. M.) Mfg. Co., St. Louis, Mo.
Rundle-Spence Mfg. Co., Milwaukee, Wis.
Sanitas Mfg. Co., Boston, Mass. "Brockton," "Fairfield," "Rain," "Royal," "Trombone," "Tubular," "Woolworth"
Scovill Mfg Co., Plumbers' Brass Goods Div., Waterville, Conn.
Speakman Supply & Pipe Co., Wilmington, Del.
Standard Sanitary Mfg. Co., Pittsburgh, Pa.
Street & Kent Mfg. Co., Chicago, Ill.
Wolff Mfg. Co., Chicago, Ill.

BATHS, Shower, Portable

Baker (S. D.) Corp., 234 W. 14th, New York, N. Y. "Samsonshower"
Coleman (Allan J.), Chicago, Ill.
Eustis (J. P.) Mfg. Co., Cambridge, Mass. "Brasscrafters"
Hoffman-Billings Mfg. Co., Milwaukee, Wis. "Niedecken"
Kautenberg (W. E.) Co., Inc., Freeport, Ill.
Kersten Co., Inc., Chicago, Ill.
Keystone Brass & Rubber Co., Philadelphia, Pa.
Knickerbocker Mfg. Co., Chicago, Ill.
Nason Mfg. Co., 71 Fulton, New York, N. Y.
Nelson (N. O.) Mfg. Co., St. Louis, Mo.
Panama Rubber & Equipment Co., St. Louis, Mo. "Pareco"
Robertson (H. E.) Co., Chicago, Ill.
Scovill Mfg. Co., Plumbers' Brass Goods Div., Waterville, Conn.
Speakman Supply & Pipe Co., Wilmington, Del.
Standard Sanitary Mfg. Co., Pittsburgh, Pa.
United Mfg. Co., Inc., Philadelphia, Pa.
Weiskittel (A) & Son Co., Baltimore, Md. "Luxuria"
Wolverine Brass Wks., Grand Rapids, Mich.

BATS, Baseball

Brinser's (E. C.) Son, Richmond, Va.
Campbell, M. R., Tullahoma, Tenn.
Derby, Ball Edwards Corp., Waterbury, Vt.
Hanna Mfg. Co., Athens, Ga. "Batrite"
Hellenberg (J. B.) Co., Inc., Coldwater, Mich.
Hillerich & Bradsby Co., Louisville, Ky. "Louisville Slugger"
Kren (Joseph G.) Bat Co., Syracuse, N. Y.
Leathers (A. H.) Mfg. Co., Dickson, Tenn. "Dixie Swatter"
Leavitt Mfg. Co., Urbana, Ill. "Gill"
Oregon Handle Mfg. Co., Newburg, Ore.
Pioneer Pole & Shaft Co., Memphis, Tenn.
Prouty (C) & Co., Eldred, Pa.
Rademaker (H.) & Sons, Grand Rapids, Mich.
Reg'lar Fellers, Cincinnati, O.
Rockwell, John L., Monroeton, Pa.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stossel (Carl) & Sons Co., Front Royal, Va.
Stratton Mfg. Co., Stratton, Me.
Union Handle Co., Meyersdale, Pa.
Warren Handle Wks., Cortland, O.
Willingham, E. G., Memphis, Tenn.
Wilson-Western Sporting Goods Co., Chicago, Ill.

BATS, Cricket

Draper-Maynard Co., Plymouth, N. H.
Medart (Fred) Mfg. Co., St. Louis, Mo.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Reach (A. J.), Wright & Ditson Co., Phila., Pa.

BATTERIES, Blasting

Du Pont (E. I.) de Nemours & Co., Wilmington, Del.
Hercules Powder Co., Inc., Wilmington, Del.
Martin Hardsocg Co., Pittsburgh, Pa.
National Carbon Co., Inc., 30 E. 42nd, New York, N. Y.
Niagara Searchlight Co., Niagara Falls, N. Y.
Star Electric Fuse Wks., Wilkes-Barre, Pa. "Lilliput," "Push-Down"

BATTERIES, Dry
(See also Batteries, Flashlight)

Bond Electric Corp., 257 Cornelison Ave., Jersey City, N. J. "Franco," "Orion," "Winner"
Bright Star Battery, 15th & Riverhead, Hoboken, N. J.
Burgess Battery Co., Freeport, Ill. "Super-Six"
Carbon Products Co., Lancaster, O. "Ace"
Comet Co., Cleveland, O.
French Battery Co., Madison, Wis. "Ray-O-Vac"
General Dry Batteries, Inc., Cleveland, O.
Hipwell Mfg. Co., Pittsburgh, Pa. "Hipco"
Marathon Battery Co., Wausau, Wis.
National Carbon Co., Inc., 30 E. 42nd, New York, N. Y. "Columbia," "Columbia Hot Shot," "Eveready," "Red Seal"
Niagara Searchlight Co., Niagara Falls, N. Y.
Philadelphia Storage Battery Co., Phila., Pa. "Philco Dynamic"
Red Cap Battery Corp., Louisville, Ky "Sta-Rite"
Stackpole Carbon Co., St. Marys, Pa. "Autocrat," "Wizard"
Stolp Co., Chicago, Ill. "Maxlife"
Union Battery Co., Belleville, N. J. "Nue," "Power"
USL Battery Corp., Niagara Falls, N. Y. "Niagara"

BATTERIES, Dry, Multi-Cell Units

Advance Battery Co., 59 Pearl, Bklyn., N. Y.
Bond Electric Corp., 257 Cornelison Ave., Jersey City, N. J. "Franco," "Orion," "Winner"
Burgess Battery Co., Freeport, Ill. "Uniplex"
Carbon Products Co., Lancaster, O. "Ace"
Champion Carbon Mfg. Co., Cincinnati, O.
French Battery Co., Madison, Wis. "Ray-O-Vac"
National Carbon Co., Inc., 30 E. 42nd, New York, N. Y. "Columbia Hot Shot," "Red Seal"

BATTERIES, Dry "A," Radio

Advance Battery Co., 59 Pearl, Bklyn., N. Y.
Bond Electric Corp., 257 Cornelison Ave., Jersey City, N. J. "Franco," "Orion," "Winner"
Bright Star Battery, 15th & Riverhead, Hoboken, N. J.
Burgess Battery Co., Freeport, Ill.
Carbon Products Co., Lancaster, O. "Ace"
Champion Carbon Mfg. Co., Cincinnati, O.
Comet Co., Cleveland, O.
Delco Appliance Corp., Rochester, N. Y.
French Battery Co., Madison, Wis. "Ray-O-Vac"
General Dry Batteries, Inc., Cleveland, O.
Hartford Battery Mfg. Co., Milldale, Conn.
Hipwell Mfg. Co., Pittsburgh, Pa. "Hipco"
Marathon Battery Co., Wausau, Wis.
National Carbon Co., Inc., 30 E. 42nd, New York, N. Y. "Eveready"
Niagara Searchlight Co., Niagara Falls, N. Y.
Red Cap Battery Corp., Louisville, Ky.
USL Battery Corp., Niagara Falls, N. Y. "Niagara"
U. S. Electric Mfg. Corp., 222 W. 14th, New York, N. Y. "Usa Lite"
Universal Battery Co., Chicago, Ill.

BATTERIES, Dry "B," Radio

Advance Battery Co., 59 Pearl, Bklyn., N. Y.
Bond Electric Corp., 257 Cornelison Av., Jersey City, N. J. "Franco" "Orion," "Winner"
Bright Star Battery, 15th & Riverhead, Hoboken, N. J.
Burgess Battery Co., Freeport, Ill.
Carbon Products Co., Lancaster, O. "Ace"
Champion Carbon Mfg. Co., Cincinnati, O.
Comet Co., Cleveland, O.
Delco Appliance Corp., Rochester, N. Y.
Edison Storage Battery Co., Orange, N. J.
Everbest Battery Co., Inc., 257 W. 17th, New York, N. Y.
French Battery Co., Madison, Wis. "Ray-O-Vac Autoradio"
General Dry Batteries, Inc., Cleveland, O.
Hartford Battery Mfg. Co., Milldale, Conn.
Hipwell Mfg. Co., Pittsburgh, Pa.
Jewett Mfg. Corp., 34 Austin, Newark, N. J. "ABC"
Marathon Battery Co., Wausau, Wis.
Marko Storage Battery Co., 100 Varick Ave., Brooklyn, N. Y.
National Carbon Co., Inc., 30 E. 42nd, New York, N. Y. "Eveready"
Niagara Searchlight Co., Niagara Falls, N. Y.
Progressive Specialty Co., Cincinnati, O.
Stuart Products Corp., Chicago, Ill.
Twin Dry Cell Battery Co., Cleveland, O.
Underwood Battery Co., Cleveland, Ohio
U. S. Electric Mfg. Corp., 222 W. 14th, New York, N. Y. "Hylite," "Red E," "Usa Lite"
Universal Battery Co., Chicago, Ill.
USL Battery Corp., Niagara Falls, N. Y. "Niagara"
Winchester Repeating Arms Co., New Haven, Conn.

BATTERIES, Dry "C," Radio

Advance Battery Co., 59 Pearl, Bklyn., N. Y.
Bond Electric Corp., 257 Cornelison Av., Jersey City, N. J. "Franco," "Orion," "Winner"
Burgess Battery Co., Freeport, Ill.
Champion Carbon Mfg. Co., Cincinnati, O.
Comet Co., Cleveland, O.
Delco Appliance Corp., Rochester, N. Y.
French Battery Co., Madison, Wis. "Ray-O-Vac"
Marathon Battery Co., Wausau, Wis.
National Carbon Co., Inc., 30 E. 42nd, New York, N. Y. "Eveready"
Niagara Searchlight Co., Niagara Falls, N. Y.
U. S. Electric Mfg. Corp., 222 W. 14th, New York, N. Y. "Hylite," "Red E"
USL Battery Corp., Niagara Falls, N. Y. "Niagara"
Winchester Repeating Arms Co., New Haven, Conn.

BATTERIES, Flashlight
(See also Batteries, Dry)

Advance Battery Co., 59 Pearl, Brooklyn, N. Y.
Blake Mfg. Co., Springfield, Mass. "Sunlight," "Victor"
Bond Electric Corp., 257 Cornelison Av., Jersey City, N. J. "Franco," "Orion," "Winner"
Bright Star Battery Co., 15th & Riverhead, Hoboken, N. J.
Burgess Battery Co., Freeport, Ill. "Uni-Cel"
Carbon Products Co., Lancaster, O. "Ace"
Champion Carbon Mfg. Co., Cincinnati, O.
Comet Co., Cleveland, O.
French Battery Co., Madison, Wis. "Ray-O-Vac"
General Dry Batteries, Inc., Cleveland, O.
Harper, F. D., Everett, Mass. "Secret Service"
Hipwell Mfg. Co., Pittsburgh, Pa. "Hipco"
Marathon Battery Co., Wausau, Wis.
National Carbon Co., Inc., 30 E. 42nd, New York, N. Y. "American," "Eveready"
Niagara Searchlight Co., Niagara Falls, N. Y.
Stuart Products Corp., Chicago, Ill.
Underwood Battery Co., Cleveland, O.
Universal Carbon Co., Dundee, Ill.
U. S. Electric Mfg. Corp., 222 W. 14th, New York, N. Y. "Hylite," "Usa Lite"
USL Battery Corp., Niagara Falls, N. Y. "Niagara"
Winchester Repeating Arms Co., New Haven, Conn.

BATTERIES, Illuminating—See Batteries, Flashlight; also Batteries, Dry

BATTERIES, Storage "A," Radio

Bond Electric Corp., 257 Cornelison Av., Jersey City, N. J. "Franco," "Orion," "Winner"
Delco Appliance Corp., Rochester, N. Y.
Edison Storage Battery Co., Orange, N. J.
Electric Storage Battery Co., Phila., Pa.
Hartford Battery Mfg. Co., Milldale, Conn.
Honeycut Battery Corp., Kansas City, Mo.
Marko Storage Battery Co., 100 Varick Av., Brooklyn, N. Y.
Universal Battery Co., Chicago, Ill.
Willard Storage Battery Co., Cleveland, O.

BATTERY CABLE—See Wire Insulated

BATTERY CARRIERS—See Carriers, Battery

BATTERY CHARGERS—See Chargers, Battery

BATTERY CLIPS, RADIO—See Radio Clips, Battery

BATTERY CONNECTORS—See Connectors, Battery

BATTERY RADIO ELIMINATORS—See Radio, "B" Battery Eliminators

BEACH UMBRELLAS—See Umbrellas, Beach

BEAD CHAIN—See Chain, Bead

BEADING TOOLS—See Tools, Beading

BEADS, Corner, Metal

Ames (W. R.) Co., San Francisco, Cal.
Berger Mfg. Co., Canton, O. "Berloy"
Bernard (Phillip) Co., Sioux City, Ia.
Boston Metal Ceiling & Mfg. Co., Boston, Mass.
Bostwick Steel Lath Co., Niles, O.
Church Appliance Mfg. Co., La Salle, Ill. "La Salle"
Consolidated Expanded Metal Co., Wheeling, W. Va. "Steelcrete"
Dowman-Dozier Mfg. Co., Atlanta, Ga.
Edwards Mfg. Co., Cincinnati, O.
General Fireproofing Co., Youngstown, O. "G-F Allsteel"
Hunt Metal Corner Bead Co., Lowell, Mass.
Kalman Steel Co., Inc., Chicago, Ill.
Kees (F. D.) Mfg. Co., Beatrice, Neb.
Klauer Mfg. Co., Dubuque, Ia.
Knapp Bros. Mfg. Co., Chicago, Ill.
Milcor Steel Co., Milwaukee, Wis. "Expansion"
Northwestern Expanded Metal Co., Chicago, Ill. "Kno-Equal"
Parkersburg Iron & Steel Co., Parkersburg, W. Va.
Penn Metal Ceiling & Roofing Co., Phila., Pa.
Penn Metal Co., 41 E. 42nd, New York, N. Y. "Penco"
Prescott (J. B.) & Son, Webster, Mass.
Rogers-Shear Co., Warren, Pa. "Universal"
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
St. Paul Corrugating Co., St. Paul, Minn. "Pruden"
Sharon Steel Hoop Co., Sharon, Pa. "Mahoning"
Smith (F. P.) Wire & Iron Wks., Chicago, Ill.
Souther (E. E.) Iron Co., St. Louis, Mo.
Sykes Metal Lath & Roofing Co., Niles, O.
Truscon Steel Co., Youngstown, O.
Union Metal Corner Co., Boston, Mass. "G.-S.," "Hannon," "Hospital," "Hub"
Wheeling Corrugating Co., Wheeling, W. Va.
Wicks (M. O.) Mfg. Co., Glen Cove, N. Y.

BEAM CLAMPS—See Clamps, Beam

BEAN BAG GAMES—See Games, Bean Bag

BEAN POTS—See Pots, Bean

BEARING METAL

Eagle-Picher Lead Co., Cincinnati, O.
General Electric Co., Schenectady, N. Y. "Genelite"
National Lead Co., 111 Broadway, New York, N. Y. "Dutch Boy," "Hoyt"
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.

BEARING SCRAPERS—See Scrapers, Bearing

BEARINGS, Ball
(See also Balls, Steel)

Acorn Bearing Co., New Britain, Conn.
Aetna Ball Bearing Mfg. Co., Chicago, Ill.
Ahlberg Bearing Co., Chicago, Ill. "C. J. B."
American Ball Co., Providence, R. I.
Auburn Ball Bearing Co., Rochester, N. Y.
Ball & Roller Bearing Co., Danbury, Conn. "Barbco"
Bearings Co. of America, Lancaster, Pa.
Fafnir Bearing Co., New Britain, Conn.
Federal Bearings Co., Inc., Poughkeepsie, N. Y.
G-A Ball Bearing Co., Chicago, Ill.
Gurney Ball Bearing Corp., Div. Marlin-Rockwell Corp., Jamestown, N. Y. "M-R-C"
Hoover Steel Ball Co., Ann Arbor, Mich.
Joy Ball Bearing Co., Chicago, Ill.
Mathews (H. A.) Mfg. Co., Seymour, Conn.
New Departure Mfg. Co., Bristol, Conn.
Nice Ball Bearing Co., Phila., Pa.
Norma-Hoffmann Bearings Corp., Stamford, Conn.
Royersford Fdry. & Mach. Co., Royersford, Pa. "Sells"
SKF Industries, Inc., 40 E. 34th, New York, N. Y. "Hess-Bright"
Schatz Mfg. Co., Caster Division, Poughkeepsie, N. Y. "Acme," "Commercial" (Annular)
Standard Machy. Co., Auburn, R. I.
Standard Steel & Bearings, Inc., Plainville, Conn. "S. R. B."
Torrington Co., Torrington, Conn.

BEATERS, Carpet and Rug

Automatic Wire Goods Mfg. Co., 15 Canal Pl., New York, N. Y.
Bouquet-Brownson Co., St. Paul, Minn. "Justright"
Ely Mfg. Co., Girard, Pa.
Erie City Mfg. Co., Erie, Pa.
Fernald Mfg. Co., North East, Pa. "Hilton"
Hamblin & Russell Mfg. Co., Worcester, Mass.
Holt-Lyon Co., Saugerties, N. Y. "Cleaner"
Malin & Co., Cleveland, O.
Morey Mfg. Co., Milwaukee, Wis.
Racine Iron & Wire Wks., Racine, Wis.
Ressler (G. S.) & Co., Lansing, Mich.
Smith & Phillips Mfg. Co., Chicago, Ill. "World Beater"
Standard Wire Co., New Castle, Pa. "Gem"
Thum (Chas. D.), Phila., Pa.
Utility Mfg. Co., Sturgis, Mich.
Washburn Company, Worcester, Mass.
Wilson Mfg. Co., Niles, O.
Woods-Sherwood Co., Worcester, Mass. "Sherwood's"

BEATERS and WHIPS, Egg, Cream, Etc.

A. & J. Kitchen Tool Co., Chicago, Ill. "Blutip"
Aldor Corp., Chicago, Ill. (Electric)
Altorfer Bros. Co., Peoria, Ill. "ABC Electrotable"
Aurelius Bros., Braham, Minn. "High Speed," "Master"
Chapman, C. A., Geneva, N. Y.
Chicago Flexible Shaft Co., Chicago, Ill. "Sunbeam Mixmaster" (Electric)
Consolidated Safety Pin Co., Bloomfield, N. J. "New Keystone"
Dormeyer (A. F.) Mfg. Co., Chicago, Ill. "Kollins" "Royal Dormeyer" (Electric)
Dover Stamping & Mfg. Co., Cambridge, Mass. "Leviathan Dover," "New Dover"
Duro Metal Products Co., Chicago, Ill. "De Luxe," "Dunlap," "Presto," "Whippet"
Edlund Co., Burlington, Vt.
Fitzgerald Mfg. Co., Torrington, Conn. "Magic Maid," "Star-Rite" (Electric)
Fries' (Geo.) Sons, Phila., Pa.
Gatch Brush & Wire Goods Co., Baltimore, Md.

BEATERS and WHIPS, Egg, Cream, Etc. (Continued)

Gilbert (A. C.) Co., New Haven, Conn. "Polar Cub" (Electric)
Giles & Nielsen Nickel Wks., Troy, N. Y. "Clipper"
Hamblin & Russell Mfg. Co., Worcester, Mass.
Hamilton Beach Mfg. Co., Racine, Wis. (Electric)
Henderson Corp., Seattle, Wash. "Minute Maid"
Hobart Mfg. Co., Troy, O. "Kitchen Aid" (Electric)
Hoe Corp., Poughkeepsie, N. Y. "Merryway" (Electric)
Holt-Lyon Co., Saugerties, N. Y. "Holts Improved," "Holts Improved Rotary," "Lyon"
Kitchen Aid Mfg. Co., Troy, O. (Electric)
Kohler Die & Specialty Co., De Kalb, Ill. "Jiffy," "New Dream"
Landers, Frary & Clark, New Britain, Conn. "Mixerbeater," "Universal" (Also Electric)
Made-Rite Mfg. Co., Sandusky, O. "Minute" (Electric)
Madison Precision Tool Co., Madison, Ind. "Lucky Lady" (Electric)
Marsden (J. E.) Glass Works, Inc., Ambler, Pa.
Meek Mfg. Oven Co., Newburyport, Mass.
Metal Specialties Mfg. Co., Chicago, Ill. "Duplex"
National Electric Appliance Corp., Bridgeport, Conn.
National Enameling & Stamping Co., Milwaukee, Wis.
New Standard Corp., Mt. Joy, Pa. "Dandy"
Novelty Mfg. Co., Waterbury, Conn. "Cosmos"
Racine Iron & Wire Wks., Racine, Wis.
Read Mfg. Co., York, Pa. "Mixonette" (Electric, Multiple Comb.)
Reynolds Electric Co., Chicago, Ill. "Reco" (Electric)
Robbins & Myers Co., Springfield, O. (Electric)
Roseland Can & Specialty Co., Roxford, Ill. "Double Quick"
Royal Mfg. Co., Phila., Pa.
Standard Wire Co., New Castle, Pa.
Star Specialty Co., Ashland, O.
Stuber & Kuck Co., Peoria, Ill. "Biltrite"
Taplin Mfg. Co., New Britain, Conn. "Betty Taplin" (Toy), "Light Running," "Tumbler," "Mammoth," "Down"
Turner & Seymour Mfg. Co., Torrington, Conn. "Blue Whirl," "Dainty Whirl," "Non-Spatter" (and Dover type)
United Electrical Mfg. Co., Adrian, Mich. "Eskimo Kitchen Mechanic" (Electric Mixer)
United Royalties Corp., 1133 Broadway, New York, N. Y. "Ladd," "Saturn"
Utility Mfg. Co., Baltimore, Md.
Wagner Mfg. Co., Sidney, O.
Wallace Bros., Wallingford, Conn.
Washburn Company, Worcester, Mass. "Diamond," "Sno-Cap"
Winsted Hdwe. Mfg. Co., Inc., Winsted, Conn. "Whipwell"
Woods-Sherwood Co., Worcester, Mass. "Sensible," "Surprise"

BED BRACES—See Braces, Chair & Bed

BED CASTERS—See Casters, Bed

BED CHAMBERS—See Chambers, Bed

BED FASTENERS—See Fasteners, Bed

BED PANS—See Pans, Bed

BED SPRINGS—See Springs, Bed

BEDS, Air—See Mattresses, Air

BEDS or BERTHS, Camp and Automobile

Alward-Anderson-Southard Co., Chicago, Ill.
Anton & Ackerman Co., Topeka, Kans. "Rex"
Clifton Mfg. Co., Waco, Texas
Dennis Mfg. Co., Waco, Texas. "Demco" (Pads)
Enterprise Bed Co., Hammond, Ind.
Genesee Mfg. Co., Flint, Mich.
Gold Medal Folding Furniture Co., Racine, Wis.
Herschel (R.) Mfg. Co., Peoria, Ill.
Hettrick Mfg. Co., Toledo, O.
King Specialty Co., Milwaukee, Wis.
MacKenzie-Waterhouse Co., Seattle, Wash. "McMillan"
Metropolitan Air Goods Mfg. Co., Athol, Mass.
Miller Auto Bed Co., Oakland, Cal.
Peoria Auto-Kot Co., Peoria, Ill. "Andy-Kar"
Plummer (W. A.) Mfg. Co., San Francisco, Cal.
Pneumatic Mfg. Co., 124 Atlantic Av., Brooklyn, N. Y. "Perfection"
Pueblo Tent & Awning Co., Inc., Pueblo, Colo.
Schaefer Tent & Awning Co., Denver, Colo. "Red Seal"
Schilling (L. F.) Co., Salem, O.
Stockland-Hamery Corp., Minneapolis, Minn. "Tuckaway"
Stoll Mfg. Co., Denver, Colo.
Tentobed Co., Chicago, Ill. "Autobed"
Tourist Auto Equipment Co., Dahlgren, Ill. "Handy Camp"
Wolfe & Co., Seattle, Wash.

BEDS, Doll

Arcade Mfg. Co., Freeport, Ill.
Auto Sun Products Co., Cincinnati, O.
Benner Mfg. Co., Lancaster, Pa.
Cass (N. D.) Co., Athol, Mass.
Converse-Mason Corp., Winchendon, Mass.
Dan-D Mfg. Co., Dayton, O.
Gardner Crib & Cradle Co., Gardner, Mass.
Gem Crib & Cradle Co., Gardner, Mass.
Gem Mfg. Co., Bascom, O.
Harvey Mfg. Co., Columbus, O. "Mary Jane," "Play-Maid"
Kiddie-Town Products, Inc., Seneca Falls, N. Y.
Mason Mfg. Co., South Paris, Me.
Mengel Co., St. Louis, Mo.
Norwood Novelty Co., Cincinnati, O.
Payne (A. S.) Inc., North Bennington, Vt.
Racine Iron & Wire Wks., Racine, Wis.
Topliff-Ely Co., Washington, Pa.
Vilas-Harsha Mfg. Co., Chicago, Ill.
Washington Mfg. Co., Washington C. H., O.

BEE KEEPERS' SUPPLIES

Dadant & Sons, Hamilton, Ill.
Falconer (W. T.) Mfg. Co., Falconer, N. Y.
Kretchmer Mfg. Co., Council Bluffs, Ia.
Leahy Mfg. Co., Higginsville, Mo.
Lewis (G. B.) Co., Watertown, Wis. "Beeware"
Lotz (August) & Co., Boyd, Wis.
Marshfield Mfg. Co., Marshfield, Wis.
Root (A. I.) Co., Medina, O.
Standard Churn Co., Wapakoneta, O.

BEE VEIL WIRE CLOTH—See Cloth, Wire, Bee Veil

BEET WEEDERS—See Weeders, Beet

BELL RINGING TRANSFORMERS—See Transformers, Bell Ringing

BELL TOYS

Converse (Morton E.) & Son Co., Winchendon, Mass.
Girard Model Wks., Inc., Girard, Pa.
Gong Bell Mfg. Co., East Hampton, Conn.
Hill (N. N.) Brass Co., East Hampton, Conn.
Kirby Mfg. Co., Middletown, Conn.
Seiss Mfg. Co., Toledo, O.
Watrous Mfg. Co., East Hampton, Conn.

BELLOWS, Blacksmiths', Etc.

Dobson, Wm. M., Canastota, N. Y.
McCormick (J. S.) Co., Pittsburgh, Pa.
Osborn Mfg. Co., Cleveland, O.
Paxon (J. W.) Co., Philadelphia, Pa.
Root (P. H. & F. M.) Co., Connersville, Ind. "Acme"

BELLOWS, Hand

Brand (S. H.) Co., Chicago, Ill.
Bullock (T. H.) Mfg. Co., Cleveland, O. "Hurricane," "Moulders," "Tornado"
Christen (J. C.) Mfg. Co., St. Louis, Mo.
Christiansen (C.), Chicago, Ill.
Howes (S. M.) Co., Boston, Mass.

BELLOWS, Insect Powder—See Dusters, Insecticide

BELLS, Bar

Draper-Maynard Co., Plymouth, N. H.
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Hellenberg (J. B.) Co., Inc., Coldwater, Mich.
Medart (Fred) Mfg. Co., St. Louis, Mo.
Reach (A. J.), Wright & Ditson Co., Phila., Pa.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.

BELLS, Bicycle

Bevin Bros. Mfg. Co., East Hampton, Conn.
Bridgeport Brass Co., Bridgeport, Conn.
Gong Bell Co., East Hampton, Conn. "Fire Chief Trix," "Pedal Trix," "Rubberneck Racer," "Tricycle Trix"
Hill (N. N.) Brass Co., East Hampton, Conn.
Liberty Bell Co., Cleveland, O.
New Departure Mfg. Co., Bristol, Conn.
Starr Bros. Bell Co., East Hampton, Conn.

BELLS, Call

Bevin Bros. Mfg. Co., East Hampton, Conn.
East Hampton Bell Co., East Hampton, Conn.
Gong Bell Mfg. Co., East Hampton, Conn. "Lincoln," "Priscilla," "Silver Chime"
Hill (N. N.) Brass Co., East Hampton, Conn.
Seiss Mfg. Co., Toledo, O.
Starr Bros. Bell Co., East Hampton, Conn.

BELLS, Church, Fire, Schoolhouse, Etc.

Bell (C. S.) Co., Hillsboro, O.
Bevin Bros. Mfg. Co., East Hampton, Conn.
Gong Bell Mfg. Co., East Hampton, Conn.
Hill (N. N.) Brass Co., East Hampton, Conn.
Reiter, G. C., Canton, O.

BELLS, Cow and Sheep

Bevin Bros. Mfg. Co., East Hampton, Conn.
Blum Mfg. Co., Collinsville, Ill. "Holstein," "Kentucky"
East Hampton Bell Co., East Hampton, Conn.
Gong Bell Mfg. Co., East Hampton, Conn.
Hill (N. N.) Brass Co., East Hampton, Conn.
Pratt (Wm. E.) Mfg. Co., Chicago, Ill.
Reiter (Geo. C.), Canton, O.
Sargent & Co., New Haven, Conn.
Seiss Mfg. Co., Toledo, O.
Starr Bros. Bell Co., East Hampton, Conn.

BELLS, Dinner, Etc.

Bell (C. S.) Co., Hillsboro, O. "Crystal Metal"
Bevin Bros. Mfg. Co., East Hampton, Conn.
East Hampton Bell Co., East Hampton, Conn.
Gong Bell Mfg. Co., East Hampton, Conn.
Hill (N. N.) Brass Co., East Hampton, Conn.
Seiss Mfg. Co., Toledo, O.
Starr Bros. Bell Co., East Hampton, Conn.

BELLS, Door and House

Bevin Bros Mfg. Co., East Hampton, Conn.
Corbin (P. & F.), New Britain, Conn.
East Hampton Bell Co., East Hampton, Conn.
Gong Bell Mfg. Co., East Hampton, Conn. "Abbe," "Yankee"
Hill (N. N.) Brass Co., East Hampton, Conn.
National Brass Co., Grand Rapids, Mich. "Essential"
New Departure Mfg. Co., Bristol, Conn.
Peck, Stow & Wilcox, Southington, Conn. "Pexto"
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Reiter, G. C., Canton, O.
Russell & Erwin Mfg. Co., New Britain, Conn. "Russwin"
Sargent & Co., New Haven, Conn.
Starr Bros. Bell Co., East Hampton, Conn.

BELLS, Dumb—See Dumb-Bells

BELLS and BUZZERS, Electric

Ansonia Electrical Co., Ansonia, Conn. "Eureka," "Wizard"
Auth Electric Specialty Co., Inc., 422 E. 53d, New York, N. Y.
Connecticut Telephone & Electric Co., Meriden, Conn.
Edwards & Co., Inc., Exterior Av. & 140th, New York, N. Y. "Buzacall," "Cadet," "Dixie," "Economy," "Lungen, "Melocall," "Recti," "Ringcall," "Tucall," "Varicall"
Gamewell Co., Newton Upper Falls, Mass.
Graybar Electric Co., 420 Lexington Ave., New York, N. Y. "Hawthorne"
Hersh Electric Specialty Co., Milwaukee, Wis. "Duplex" (Combination Bell & Buzzer)
Holtzer-Cabot Electric Co., Roxbury, Mass. "Hub-Dome"
Keil (Francis) & Son, 401 E. 163d, New York, N. Y. "Ampro," "Reliance"
Menominee Electric Mfg. Co., Menominee, Mich.
Ostrander (W. R.) Elec. Wks., Inc., 911 Atlantic Av., Bklyn., N. Y.
Reading Hardware Co., Reading, Pa.
Russell Electric Co., Danbury, Conn. "Electric Whistle," "Freco"
Samson Electric Co., Canton, Mass.
Schwarze Electric Co., Adrian, Mich.
Service Eectric Co., Chicago, Ill. "Smith"
Signal Electric Mfg. Co., Menominee, Mich.
Spies Electric Wks., Chicago, Ill.
Stanley & Patterson, 150 Varick, New York, N. Y. "Faraday," "Skelton," "PR"
Thomas-Smith Co., Canton, O.

BELLS, Fire—See Bells, Church, Fire

BELLS, Hand—See Bells, Dinner, Etc.

BELLS, Paper, Christmas

Royal Lace Paper Works, 842 Lorimer, Bklyn.
Wilmse, B., Phila., Pa.

BELLS, Schoolhouse—See Bells, Church, Fire, Schoolhouse, etc.

BELLS, Ship

Bevin Bros Mfg. Co., East Hampton, Conn.
Reiter, G. C., Canton, O.

BELLS, Sleigh

Bevin Bros Mfg. Co., East Hampton, Conn.
East Hampton Bells Co., East Hampton, Conn.
Gong Bell Mfg. Co., East Hampton, Conn.
Hill (N. N.) Brass Co., East Hampton, Conn.
Starr Bros. Bell Co., East Hampton, Conn.

BELLS, Sleigh, Toy

Gong Bell Mfg. Co., East Hampton, Conn.
Hill (N. N.) Brass Co., East Hampton, Conn.

BELLS, Tea—See Bells, Call

BELLY BANDS—See Surcingles

BELT AWLS—See Awls, Belt

BELT DRESSINGS—See Dressings, Belt

BELT DRIVEN PUMPS—See Pumps, Belt Driven

BELT FASTENERS—See Fasteners, Belt

BELT HOOKS—See Fasteners, Belt

BELT LACING—See Lacing, Belt

BELT LACING MACHINES—See Lacing Machines, Belt

BELT PUNCHES—See Punches, Belt

BELT RIVETS—See Rivets, Belt

BELT SCRAPERS—See Scrapers, Belt

BELT STUDS—See Studs, Belt

BELT WAX—See Wax, Belt; also Dressings, Belt

BELTING, Leather

Akron Belting Co., Akron, O.
Alexander Bros., Phila., Pa.
Allen (W. D.) Mfg. Co., Chicago, Ill. "Ajax," "Alenco," "Arm & Hammer," "Arrow," "Creamery," "Dynamo," "Otter," "Supertan," "Victory"
American Belting & Tanning Co., Boston, Mass.
Arlington Leather Belting Co., Arlington, N. J. "A B C"
Atlantic Mfg. Co., Wilmington, Del.
Baltimore Belting Co., Baltimore, Md.
Barnes (H. K.) Co., Boston, Mass.
Bay State Belting Co., Boston, Mass. "Water King"
Bickford & Francis Belting Co., Buffalo, N. Y.
Bond (Chas.) Co., Phila., Pa.
Boston Leather Specialties, Inc., Everett, Mass.
Burr Oak Belting Co., Cincinnati, O.
Capen Belting & Rubber Co., St. Louis, Mo. "Bono," "Melta," "Ne-Pac"
Charlotte Leather Belting Co., Charlotte, N. C. "Kromotan Brand," "Star Brand," "Whalebone Brand"
Chicago Belting Co., Chicago, Ill. "Pre-tested"
Chicago Rawhide Mfg. Co., Chicago, Ill.
Cook (H. N.) Belting Co., San Francisco, Cal.
Coupe (Wm.) Corp., Worcester, Mass.
Couse & Bolton, 44 Lafayette, Newark, N. J.
Cross Bros. Co., Rochester, N. Y.
Degen (L. P.) Belting Co., San Francisco, Cal.
Detroit Oak Belting Co., Detroit, Mich.
Dickey Belting Co., Lewiston, Me.
Druid Oak Belting Co., Baltimore, Md.
Eagle Belting Co., Chicago, Ill.
Fisher Leather Belting Co., Phila., Pa.
Foss & Bump, Inc., Springfield, Mass.
Grand Rapids Belting Co., Grand Rapids, Mich.
Graton & Knight Co., Worcester, Mass.
Groezinger's (G.) Sons, Lancaster, Pa.
Hide Leather & Belting Co., Indianapolis, Ind.
Himmelein & Bailey, Phila, Pa.
Holyoke Belting Co., Holyoke, Mass.
Horsford Bros. Co., San Francisco, Cal.
Hudson Belting Co., Worcester, Mass.
Illinois Mechanical Leather Co., Chicago, Ill.
Ireson Tanning Co., Gorham, Me.
Jewell Belting Co., Hartford, Conn.
Kelly Lineham Belting Co., San Francisco, Cal.
Ladew (Edw. R.) Co., 99 Hudson, New York, N. Y.
Lawrence Belting Co., 111 Chambers, New York, N. Y.
McCauley Belting Co., Chicago, Ill.
McLanathan (F. W.) & Son, Lawrence, Mass.
Moloney Belting Co., Chicago, Ill.
Mooney (W. W.) & Sons, Columbus, Ind.
New York Leather Belting Co., 428 Broadway, New York, N. Y.
Norwich Belt Mfg. Co., Norwich, Conn.
Olmstead-Flint Co., Cambridge, Mass.
Pacific Coast Rubber & Supply Co., San Francisco, Cal.
Pacific Mill & Mine Supply Co., San Francisco, Cal.
Page Belting Co., Concord, N. H.
Paulus (Jos. C.) & Co., Phila, Pa.
Pechin & Co., Phila., Pa.
Raniville (F.) Co., Grand Rapids, Mich.
Regal Belting Co., Cincinnati, O.
Rhoads (J. E.) & Sons, Phila., Pa.
Rose Valley Shops, Moylan, Pa.
Salisbury (W. H.) & Co., Chicago, Ill.
Schieren (Chas. A.) Co., 30 Ferry, New York, N. Y.
Shultz Belting Co., St. Louis, Mo.
Southern Belting Co., Atlanta, Ga.
Southern Belting Co. of New Orleans, New Orleans, La.
Sumner (Wm.) Belting Co., Tolland, Conn.
Toledo Belting Co., Toledo, O.
Ulmer Leather Co., Norwich, Conn.
Union Belt Co., Fall River, Mass.
United Belt Mfg. Co., St. Louis, Mo.
Valqua Products Co., San Francisco, Cal.
Virginia Leather Mfg. Co., Richmond, Va.
Warren Belting Co., Worcester, Mass.
Waterbury Leather Belting Co., Waterbury, Conn.
Webb (J. A.) Belting Co., Buffalo, N. Y.
Webb Bros. Belting Co., Kansas City, Mo.
Western Rawhide & Belting Co., Milwaukee, Wis.
Whiting, Henry F., Lowell, Mass.
Wilby, Wm., Lowell, Mass.
Williams (I. B.) & Sons, Dover, N. H.

BELTING, Round or Twist

Alexander Bros., Phila, Pa.
Bay State Belting Co., Boston, Mass.
Chicago Belting Co., Chicago, Ill.
Chicago Rawhide Mfg. Co., Chicago, Ill.
Graton & Knight Co., Worcester, Mass. "Sparton"
Hemmerdinger (J. H.) & Son, Morgan Av. & Jackson, B'klyn, N. Y. "Brooktan," "Everwear," "Hairy Ape," "Okay"
Hudson Belting Co., Worcester, Mass.
Jewell Belting Co., Hartford, Conn.
Ladew (Edward R.) Co., 99 Hudson, New York, N.Y.
Missouri Belting Co., St. Louis, Mo. "Ebony"
National Leather Mfg. Co., Niles, Mich.
New York Leather Belting Co., 428 Broadway, New York, N. Y.
Page Belting Co., Concord, N. H. "Crown"
Raniville (F.) Co., Grand Rapids, Mich. "Gam-Tam," "Olotan," "Oko," "Star"
Rhoads (J. E.) & Sons, Phila., Pa. "Tannate"
Schieren (Chas. A.) Co., 30 Ferry, New York, N. Y.
Shultz Belting Co., St. Louis, Mo.
Sumner (Wm.) Belting Co., Tolland, Conn.
Western Rawhide & Belting Co., Milwaukee, Wis.
Williams (I. B.) & Sons, Dover, N. H. "Gilt Edge"

BELTING, Twist—See Belting, Round or Twist

BELTS, Abrasive—See Abrasives, Coated

BELTS, Athletic

Alward-Anderson-Southard Co., Chicago, Ill.
Draper-Maynard Co., Plymouth, N. H.
Goldsmith's (P.) Sons, Cincinnati, O.
Leatherware Co. of America, Middletown, N. Y.
Lefkowitz (Louis) & Bros., 1 Greene, New York, N. Y.
Rawlings Mfg. Co., 23d & Lucas Ave., St. Louis, Mo.
Reach (A. J.), Wright & Ditson Co., Phila., Pa.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stall & Dean Mfg. Co., Brockton, Mass.
Standard Belt Co., Chelsea, Mass.

BELTS, Bathing

Goldsmith's (P.) Sons, Cincinnati, O.
Post Mfg. Co., 264 Canal, New York, N. Y.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.), Wright & Ditson Co., Phila., Pa.
Rubber Patents Corp., Grand Rapids, Mich.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Standard Belt Co., Chelsea, Mass.
Stern Specialty Co., 22 W. 32d, New York, N. Y.

BELTS, Cartridge

Alward Anderson-Southard Co., Chicago, Ill.
Brauer Bros, Inc., St. Louis, Mo. "Moose Brand"
Graton & Knight Co., Worcester, Mass.
Heiser (Herman H.) Saddlery Co., Denver, Colo.
Lawrence (George) Co., Portland, Ore.
Leatherware Co. of America, Middletown, N. Y.
Lefkowitz (Louis) & Bros., 1 Greene, New York, N. Y.
Loewenberg Co., 62 Colden, Newark, N. J.
Mills Woven Cartridge Belt Co., Worcester, Mass.
Red Head Brand Co., Chicago, Ill.
Rome Sporting Goods Mfg. Co., Rome, N. Y.
Russell Mfg. Co., Middletown, Conn.
Schoellkopf Co., Dallas, Tex.
Sheldon-Payne Arms Co., El Paso, Tex.
Shipley (Chas. P.) Saddlery & Merc. Co., Kansas City, Mo.
Southern Saddlery Co., Chattanooga, Tenn.
Wyeth Hardware & Mfg. Co., St. Joseph, Mo.

BELTS, Holster

Alward-Anderson-Southard Co., Chicago, Ill.
Brauer Bros., Inc., St. Louis, Mo.
Graton & Knight Co., Worcester, Mass.
Heiser (Herman H.) Saddlery Co., Denver, Colo.
Loewenberg Co., 62 Colden, Newark, N. J.
Rome Sporting Goods Mfg. Co., Rome, N. Y.
Wyeth Hardware Mfg. Co., St. Joseph, Mo.

BELTS, Money

Alward-Anderson-Southard Co., Chicago, Ill.
Baltimore Leather Goods Co., Baltimore, Md.
Brauer Bros. Inc., St. Louis, Mo.
Collis (H. J.) Mfg. Co., Taunton, Mass.
Graton & Knight Co., Worcester, Mass.
King Razor Mfg. Co., Indiana, Pa.
Klinger & Langbein (F. W.) Co., Phila., Pa.
Kohl & Kohl, Chicago, Ill.
Lefkowitz (Louis) & Bros., 1 Greene, New York, N. Y.
Leinbach (S. T.) Co., Gloversville, N. Y.
Reed (A. L.) Co., 350 5th Ave., New York, N. Y.
Rome Sporting Goods Mfg. Co., Rome, N. Y.
Wilkins (E. J.) Co., Gloversville. N. Y.

BELTS, Shell—See Belts, Cartridge

BELTS, Window Cleaners'

Ackman, Inc., 48 W. 25th, New York, N. Y.
Dickey (R. J.) & Sons, Inc., Columbus, Ind. "Ever-Fast"
Imperial Brass Mfg. Co., Chicago, Ill.
Strong Machinery & Supply Co., 110 E. 23rd, New York, N. Y.

BENCH ANVILS—See Anvils, Bench

BENCH CLAMPS—See Clamps, Bench

BENCH DRILLS—See Drills, Bench

BENCH GRINDERS—See Grinders, Bench

BENCH HOOKS—See Stops, Bench

BENCH LEGS—See Legs, Bench

BENCH OILERS—See Cans, Oiling

BENCH SCRAPERS—See Scrapers, Butchers' Block; also Scrapers, Cabinet and Bench

BENCH SCREWS—See Screws, Bench

BENCH SHEARS—See Shears, Bench

BENCH STOPS—See Stops, Bench

BENCH VISES—See Vises, Bench; also Vises, Machinist

BENCHES, Cabinet Makers'

Angle Steel Stool Co., Plainwell, Mich.
Auto Wheel Coaster Co., No. Tonawanda, N. Y.
Bemis, A. L., Worcester, Mass.
Christiansen, C., Chicago, Ill.
Oliver Mchy. Co., Grand Rapids, Mich.
Pinches (John) & Sons, New Britain, Conn.
Richards-Wilcox Mfg. Co., Aurora, Ill.
Sheldon (E. H.) & Co., Muskegon, Mich.

BENCHES, Machinists'

Brown & Sharpe Mfg. Co., Providence, R. I.
Douglass Auto Appliance Co., Milwaukee, Wis.
Lamothe (E. J.) Co., Somerville, Mass. "Lamco"
Lyon Metallic Mfg. Co., Aurora, Ill.
Manufacturing Equipment & Engineering Co., Framingham, Mass. "Meeco"
New Britain Mach. Co., New Britain, Conn.
Vanderman Mfg. Co., Willimantic, Conn.
Western Tool & Mfg. Co., Springfield, O.

BENCHES, Park and Lawn

Goshen Mfg. Co., Goshen, Ind.
Stewart Iron Wks. Co., Inc., 814 Stewart Block, Cincinnati, O.
Swett (A. L.) Iron Works, Medina, N. Y.
Treasure Chest, Asheville, N. C.
Youngstown Welding & Engineering Co., Youngstown, O.

BENCHES, Wash Tub, Wringers, Etc.

Berg (John) Mfg. Co., Chicago, Ill.
Celina Mfg. Co., Celina, O. "Collapso," "Foldeasy"
Clark (J. R.) Co., Minneapolis, Minn. "Eclipse"
Davis Mfg. Co., Clinton, Me. "Yankee"
Driskell Bench Co., Columbus, O. "Sol-San"
Gem Mfg. Co., Bascom, O. "Old Invincible," "Old Pioneer," "Old Reliable"
Herkimer Specialties Corp., Cold Brook, N. Y. "Peerless"
Holland Ladder & Mfg. Co., Holland, Mich. (Wash Tub)
Illinois Specialty Co., Tuscola, Ill.
Lovell Mfg. Co., Erie, Pa. "Handy," "Hartford Folding"
Monarch Products Co., Tiffin. O.

BENDERS, Pipe

American Pipe Tool Co., Chicago, Ill.
Fullman Mfg. Co., Latrobe, Pa. "Latrobe"
Graves (W. L.) Hatfield, Mass.
Hinman (D. A.) & Co., Sandwich, Ill.
Lidseen (Gustav), Inc., Chicago, Ill. "Chicago"
Martin (H. P.) & Sons, Owensboro, Ky.
Ridge Tool Co., Elyria, O. "Ridgid"

BENT TRIMMERS—See Shears and Scissors

BENT WINDOW GLASS—See Glass, Window

BEVEL PROTRACTORS—See Protractors, Bevel

BEVEL SQUARES—See Squares, Bevel

BEVELS

Brown & Sharpe Mfg. Co., Providence, R. I.
Chapin-Stephens Co., Pine Meadow, Conn.
Disston (Henry) & Sons, Inc., (Tacony), Phila., Pa.
Handy Products Co., 302 B'way, New York, N. Y. (Combination)
Millers Fall-Goodell Pratt Co., Greenfield, Mass.
Southington Hdw. Co., Southington, Conn. "Hold Fast"
Stanley Wks., New Britain, Conn.
Starrett (L. S.) Co., Athol, Mass.
Williams (W.) Jr., New Britain, Conn. "Reeves"

BIBB WASHERS—See Washers, Fibre; also Washers, Rubber

BIBBS—See Cocks; also Hydrants

BIBBS, Compression

Bashlin Co., Warren, Pa.
Burlington Brass Wks., Burlington, Wis.
Central Brass Mfg. Co., Cleveland, O.
Clow (Jas. B.) & Sons, Chicago, Ill.
Cochrane (J. A.) Brass Mfg. Co., Cleveland, O.
Crane Co., Chicago, Ill.
Dearborn Brass Co., Cedar Rapids, Ia.
Detroit Lubricator Co., Detroit, Mich.
Dick Bros., Reading, Pa.
Durst Mfg. Co., 468 B'way, New York, N. Y.
Eichman (J. C.) Mfg. Co., Baltimore, Md.
Empire Brass Mfg. Co., Cleveland, O.
Farnan Brass Wks., Cleveland, O.
Federal-Huber Co., Chicago, Ill.
General Brass Co., Detroit, Mich.
Hamilton (John) Brass Wks., Bridgeport, Conn.
Haydenville Co., Haydenville, Mass.
Hays Mfg. Co., Erie, Pa.
Hoffmann-Billings Mfg. Co., Milwaukee, Wis.
Humphryes Mfg. Co., Mansfield, O.
Jones (Jas.) Co., Los Angeles, Cal.
Judson Governor Co., Rochester, N. Y.
Kersten Co., Inc., Chicago, Ill.
Keystone Brass & Rubber Co., Phila., Pa.
Krenz (Oscar) Copper & Brass Wks., San Francisco, Cal.
Lamp & Miller Mfg. Co., Milwaukee, Wis.
Landers, Frary & Clark, New Britain, Conn.
Lunkenheimer Co., Cincinnati, O.
McCambridge Co., Phila., Pa.
McDonald (A. Y.) Mfg. Co., Dubuque, Ia.
McShane Bell Fdry. Co., Baltimore, Md.
Milwaukee Brass Mfg. Co., Milwaukee, Wis.
Mueller (H.) Mfg. Co., Decatur, Ill.
Nelson (N. O.) Mfg. Co., St. Louis, Mo.
Peck Bros. & Co., New Haven, Conn.
Perkes, Chas., Est., Phila., Pa.
Pioneer Alloy Products Co., Cleveland. O.
Prier Brass Mfg. Co., Kansas City, Mo.
Roberts Brass Mfg. Co., Detroit, Mich.
Rundle Mfg. Co., Milwaukee, Wis.
Ryan (J. J.) & Co., Chicago, Ill.
Savill's (Thomas) Sons, Phila., Pa.
Sherman (H. B.) Mfg. Co., Battle Creek, Mich.
Speakman Co., Wilmington, Del.
Standard Sanitary Mfg. Co., Pittsburgh, Pa.
Stebbins (E.) Mfg. Co., Springfield, Mass. "Esco"
Sterling Brass Co., Cleveland, O.
Street and Kent Mfg. Co., Chicago, Ill.
Union Brass & Metal Mfg. Co., St. Paul, Minn.
United-Oberndorf Corp., Cleveland, O.
Walworth Co., Statler Bldg., Boston, Mass.
Weiskittel (A.) & Son Co., Baltimore, Md.
Western Brass Mfg. Wks., Chicago, Ill.
Wolff Mfg. Co., Chicago. Ill.

BIBBS, Ground Key

Buckeye Iron & Brass Wks., Dayton, O.
Exeter Brass Wks., Exeter, N. H.
Farnan Brass Wks., Cleveland, O.
Federal-Huber Co., Chicago, Ill.
General Brass Co., Detroit, Mich.
Haydenville Co., Haydenville, Mass.
Hays Mfg. Co., Erie, Pa.
Healey (Peter) Brass Fdry. Co., Evansville, Ind.
Jost's (Edmund) Sons, Newark, N. J.
Keystone Brass Co., Erie, Pa.
Kinsey & Mahler Co., Peoria, Ill.
Kitson Co., Phila., Pa.
Krenz (Oscar) Copper & Brass Wks., San Francisco, Cal.
Lamp & Miller Mfg. Co., Milwaukee, Wis.
Landers, Frary & Clark, New Britain, Conn. "Universal"
Lunkenheimer Co., Cincinnati, O.
McDonald (A. Y.) Mfg. Co., Dubuque, Ia.
Mott (J. L.) Iron Wks., 535 5th Av., New York, N. Y.
Mueller Co., Decatur, Ill.
National Brass Mfg. Co., Rochester, N. Y.
Nichol (Thomas J.) & Co., Cincinnati, O.
Ohio Pump & Brass Co., Columbus, O.
Peck Bros. & Co., New Haven, Conn.
Powell (Wm.) Co., Cincinnati, O.
Rickersburg Brass Co., Cleveland, O.
Rundle-Spence Mfg. Co., Milwaukee, Wis.
Savill's (Thos.) Sons, Phila., Pa.
Standard Sanitary Mfg. Co., Pittsburgh, Pa.
Walworth Co., Statler Bldg., Boston, Mass.
Webb (F. W.) Mfg. Co., Lowell, Mass.
Western Brass Mfg. Wks., Chicago, Ill.
Wolff Mfg. Co., Chicago, Ill.

BICYCLE HORNS—See Horns, Bicycle

BICYCLE LAMPS—See Lamps, Bicycle

BICYCLE LUGGAGE CARRIERS—See Carriers, Luggage

BICYCLE MOTORS—See Motors, Bicycle

BICYCLE SADDLES—See Saddles, Bicycle

BICYCLE STANDS—See Stands, Bicycle

BICYCLE TIRES—See Tires, Bicycle

BICYCLES

Arnold, Schwinn & Co., Chicago, Ill.
Chicago Cycle Supply Co., Chicago, Ill.
Colson Co., Elyria, O. "Flyer," "Silver Ring"
Emblem Mfg. Co., Angola, N. Y. "Pierce"
Excelsior Cycle Co., Michigan City, Ind. "De Luxe"
Hedstrom-Union Co., Gardner, Mass. "America," "Crown"
Indian Motorcycle Co., Springfield, Mass.
Johnson's (Iver) Arms & Cycle Wks., Fitchburg, Mass. "Iver Johnson"
Mead Cycle Co., Chicago, Ill. "Ranger"
Metal Specialties Mfg. Co., Chicago, Ill. "Speed-O-Byke"
Shelby Cycle Co., Shelby, O. "Flyer"
Snyder (H. P.) Mfg. Co., Little Falls, N. Y.
Westfield Mfg. Co., Westfield, Mass. "Columbia," "Cleveland," "Crescent," "Pope," "Racycle," "Rambler," "Tribune"

BICYCLES, Juvenile
(See also Tricycles)

Argus Mfg. Co., Chicago, Ill. "Tom Thumb, Jr."
Auto-Wheel Coaster Co., Inc., No. Tonawanda, N. Y.
Brown (E. C.) Co., Rochester, N. Y. "Velo King"
Emblem Mfg. Co., Angola, N. Y. "Pierce"
Excelsior Cycle Co., Michigan City, Ind. "De Luxe"
Gendron Wheel Co., Toledo, O. "Pioneer"
Johnson's (Iver) Arms & Cycle Wks., Fitchburg, Mass.
Keystone Lantern Co., Phila., Pa.
Sheboygan Coaster & Wagon Wks., Sheboygan, Wis.
Taylor (Frank F.) Co., Norwood, Cincinnati, O.
Toledo Metal Wheel Co., Toledo, O. "Blue Streak"
Westfield Mfg. Co., Westfield, Mass. "Columbia," "Superb"

BICYCLES, Water—See Aquaplanes

BILGE PUMPS—See Pumps, Bilge

BILLIARD BALLS—See Balls, Billiard

BILLIARD CHALK—See Chalk, Billiard

BILLIARD CUES—See Cues, Billiard

BILLIARD and POOL TABLES, Children's—See Tables, Billiard and Pool, Children's

BINDER and MOWER REPAIR PARTS—See Mower and Binder Repair Parts

BINDER TWINE—See Twine, Binder

BINDERS, Load

Advance Car Mover Co., Appleton, Wis. "Standard"
American Logging Tool Co., Evart, Mich.
Atkins (E. C.) & Co., Indianapolis, Ind.
Dixie Logging Tool Co., Chattanooga, Tenn.
Goodyear, A. B., Bloomdale, O.
Leach Co., Oshkosh, Wis. "Oshkosh"
Norris Bros., Robinson, Ill.
Stacy (Eugene C.) Tiffin, O. "Jumbo"
Warren Axe & Tool Co., Warren, Pa.

BINDING CHAINS—See Chains, Binding

BINDING, Linoleum and Oil Cloth

Durkee Mfg. Co., Youngstown, O.
Judd (H. L.) Co., 87 Chambers, New York, N. Y.
Macklanburg-Duncan Co., Oklahoma City, Okla. "Nu-Art"
Painesville Metallic Binding Co., Painesville, O.
Youngstown Mfg. Co., Youngstown, O. "Buckeye"

BINDING, Oil Cloth—See Binding, Linoleum and Oil Cloth

BINOCULARS

Bausch & Lomb Optical Co., Rochester, N. Y.
Dodson (Joseph H.) Kankakee, Ill. "Marex"
Hand (John E.) & Son Co., Haddonfield, N. J.
King (F. W.) Optical Co., Cleveland, O.
Safety Equipment Service Co., Cleveland, O.
Voigtlander & Sohn, Chicago, Ill.
Williams, Brown & Earle, Phila., Pa.

BINS, Nail

Aurora Equipment Co., Aurora, Ill. "Equipto"
Berger Mfg. Co., Canton, O. "Berlov"
Duluth Show Case Co., Duluth, Minn.
General Fireproofing Co., Youngstown, O.
Heller (W. C.) & Co., Montpelier, O.
Manufacturing Equipment & Engineering Co., Framingham, Mass.
Warren (J. D.) Mfg. Co., Chicago, Ill.
Wellston Mfg. Co., Wellston, O. "Revolvo"

BINS, Steel

Aurora Equipment Co., Aurora, Ill. "Equipto"
Berger Mfg. Co., Canton, O.
Canton Art Metal Co., Canton, O.
Cleveland Wire Spring Co., Cleveland, O.
Fritz (Geo.) Mfg. Co., Chicago, Ill. "Round-A-Bin"
General Fireproofing Co., Youngstown, O.
Interlock Metal Units, Inc., 31 E. 27th, New York, N. Y.
Jefferis (Richard W.) Co., Camden, N. J.
Lawson (F. H.) Co., Cincinnati, O. "Add-A-Bin"
Lupton's (David) Sons Co., Phila., Pa.
Lyon Metal Products, Inc., Aurora, Ill.
Narragansett Machine Co., Providence, R. I.
Stackbin Corp., Providence, R. I.
Wellston Mfg. Co., Wellston, O. "Revolvo"

BINS, Vegetable

Atlas Tinware Co., 2472 3d Av., New York, N. Y.
Bell Wire & Metal Goods Co., Boston, Mass. "Binet"
Cincinnati Galvanizing Co., Cincinnati, O.
Collins, W. H., 445 Greenwich, New York, N. Y.
Eagle Sheet Metal Mfg. Co., Chicago, Ill. "Vega-Cary-Al"
Hemp & Co., Corp., St. Louis, Mo.
Holmes Mfg. Co., Los Angeles, Cal.
Lawson (F. H.) Co., Cincinnati, O. "Lawco"
Market Forge Co., Everett, Mass.
Master Metal Products, Inc., Buffalo, N. Y. "Sanette"
New Britain Mach. Co., New Britain, Conn. "Vegetainer"
North & Judd Mfg. Co., New Britain, Conn. "Vegetaire"
Union Steel Products Co., Albion, Mich.
Washburn Company, Worcester, Mass.

BIRD BATHS—See Baths, Bird

BIRD CAGE HOOKS—See Hooks, Bird Cage

BIRD CAGE SPRINGS—See Springs, Bird Cage

BIRD CAGE STANDS—See Stands, Cage

BIRD CAGES—See Cages, Bird

BIRD CALLS—See Calls, Bird

BIRD DECOYS—See Decoys, Bird

BIRD HOUSES—See Houses, Bird

BIRD SEED—See Seed, Bird

BIRDS, Clay—See Pigeons, Clay

BIRTHDAY CANDLES—See Candles, Birthday

BISCUIT BAKERS—See Bakers, Cookie

BISCUIT CUTTERS—See Cutters, Biscuit

BISCUIT PANS—See Pans, Biscuit

BISCUITS, Dog

Austin Dog Bread & Animal Food Co., Chelsea, Mass.
Champion Animal Food Co., Minneapolis, Minn.
Chapel Bros., Rockford, Ill. "Ken-L-Rations"
Kennel Food Supply Co., Fairfield, Conn.
Potter & Wrightington, Boston, Mass.
Spratt's Patent, Ltd., 14 Congress, Newark, N. J.
St. Paul Bread Co., St. Paul, Minn.

BIT BRACE EXTENSIONS—See Extensions, Bit Brace

BIT BRACE REAMERS—See Reamers, Bit Brace

BIT RRACE TAPS—See Taps, Bit Brace

BIT BRACE WRENCHES—See Wrenches, Bit Brace

BIT BRACES—See Braces, Bit

BIT GAGES—See Gages, Bit

BIT SETS—See Sets, Bit

BIT and SQUARE LEVELS—See Levels, Bit and Square

BIT STOCK DRILLS—See Drills, Bit Stock

BIT STOCKS—See Braces, Bit

BITS, Auger

Connecticut Valley Mfg. Co., Centerbrook, Conn.
Crescent Tool Co., Jamestown, N. Y. "Red Devil," "S. & H."
Damascus Steel Products Corp., Rockford, Ill.
Deuse (J. S.) Chester, Conn.
Drew (C.) & Co., Kingston, Mass.
Forest City Bit & Tool Co., Rockford, Ill.
Greenlee Tool Co., Rockford, Ill.
Irwin Auger Bit Co., Wilmington, O.
Jennings (Russell) Mfg. Co., Chester, Conn.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Progressive Mfg. Co., Torrington, Conn. "Forstner"
Pugh (Job T.) Inc., Phila., Pa. "Black Twist"
Sandvik Saw & Tool Corp., Minneapolis, Minn. "Johansson" (Imported)
Snell Mfg. Co., Fiskdale, Mass. "Bates"
Stanley Wks., New Britain, Conn.
Swan (Jas.) Co., Seymour, Conn.
Winchester Repeating Arms Co., New Haven, Conn.

BITS, Bridle

American Hame & Bit Co., 59 N. J. R. R. Av., Newark, N. J.
Beery (Jesse) Co., Pleasant Hill, O.
Elbel Co., Canton, O. "Owl"
Fernald Mfg. Co., North East, Pa. "Success," "Triumph"
Imperial Bit & Snap Co., Racine, Wis.
North & Judd Mfg. Co., New Britain, Conn. "Anchor Brand"
Rubber & Celluloid Products Co., 56 Ferry, Newark, N. J.
Southern Saddlery Co., Chattanooga, Tenn.
Stalker Mfg. Co., 71 Murray, New York, N. Y.
U. S. Hame Co., Buffalo, N. Y.

BITS, Car

Connecticut Valley Mfg. Co., Centerbrook, Conn.
Greenlee Tool Co., Rockford, Ill.
Irwin Auger Bit Co., Wilmington, O.
Jennings (Russell) Mfg. Co., Chester, Conn.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Pugh (Job T.) Inc., Phila., Pa.
Snell Mfg. Co., Fiskdale, Mass.
Swan (Jas.) Co., Seymour, Conn.

BITS, Center

Greenlee Tool Co., Rockford, Ill.
Pugh (Job T.) Inc., Phila., Pa.
Stortz (Jno.) & Son, Phila., Pa.
Wood (Morris) & Sons, Chicago, Ill.

BITS, Chisel and Router, Hollow

Forest City Bit & Tool Co., Rockford, Ill.
Greenlee Tool Co., Rockford, Ill.
Irwin Auger Bit Co., Wilmington, O.
Pugh (Job T.) Inc., Phila., Pa.

BITS, Countersink

Damascus Steel Products Corp., Rockford, Ill.
Greenlee Tool Co., Rockford, Ill.
Pugh (Job T.) Inc., Phila., Pa.
Snell Mfg. Co., Fiskdale, Mass.
Stanley Wks., New Britain, Conn.
Starrett (L. S.) Co., Athol, Mass.
Vaughan & Bushnell Mfg. Co., Chicago, Ill.

BITS, Electricians'—See Drills and Bits, Electricians'

BITS, Expansive

Connecticut Valley Mfg. Co., Centerbrook, Conn. "Clark's," "Convalco"
Greenlee Tool Co., Rockford, Ill. "Setfast"
Jennings (Russell) Mfg. Co., Chester, Conn.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Murmac Mfg. Co., Gloucester, Mass.
Peck, Stow & Wilcox Co., Southington, Conn. "Clark's," "Pexto"
Pugh (Job T.) Inc., Phila., Pa.
Snell Mfg. Co., Fiskdale, Mass. "Snell-Clark"
Swan (Jas.) Co., Seymour, Conn. "Clark's"

BITS, Extension—See Extensions, Bit Brace

BITS, Gimlet

Boker (H.) & Co., 101 Duane, New York, N. Y.
Deuse, J. S., Chester, Conn.
Mayhew Steel Products, Inc., Shelburne Falls, Mass.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Snell Mfg. Co., Fiskdale, Mass.
Stortz (John) & Son, Phila., Pa.
Swan (Jas.) Co., Seymour, Conn.

BITS, Harness—See Bits, Bridle

BITS, Machine, Wood

Cincinnati Tool Co., Montgomery Rd., Cincinnati, O. "Hargrave"
Cleveland Twist Drill Co., Cleveland, O.
Connecticut Valley Mfg. Co., Centerbrook, Conn.
Forest City Bit & Tool Co., Rockford, Ill.
Greenfield Tap & Die Corp., Greenfield, Mass. "G T D"
Greenlee Tool Co., Rockford, Ill.
Irwin Auger Bit Co., Wilmington, O.
Jennings (Russell) Mfg. Co., Chester, Conn.
Mayhew Steel Products, Inc., Shelburne Falls, Mass.
New Process Twist Drill Co., Taunton, Mass.
Progressive Mfg. Co., Torrington, Conn. "Forstner"
Pugh (Job T.) Inc., Phila., Pa.
Snell Mfg. Co., Fiskdale, Mass.
Standard Tool Co., Cleveland, O.
Swan (Jas.) Co., Seymour, Conn.
Union Twist Drill Co., Athol, Mass. "Morse," "Prentice"
Whitman & Barnes, Inc., Detroit, Mich.
Wood (Morris) & Sons, Chicago, Ill.

BITS and SHANKS, Saw

Atkins (E. C.) & Co., Indianapolis, Ind.
Ohlen-Bishop Co., Columbus, O.
Southern Saw Wks., Atlanta, Ga.

BITS, Screw Driver

American Swiss File & Tool Co., Elizabeth, N. J.
Buck Bros., Millbury, Mass.
Buffum (Frank G.) Mfg. Co., Louisiana, Mo.
Carver Tool Wks., Spring Valley, N. Y.
Chapin-Stephens Co., Pine Meadow, Conn.
Connecticut Valley Mfg. Co., Centerbrook, Conn.
Crescent Tool Co., Jamestown, N. Y. "Red Devil"
Damascus Steel Products Corp., Rockford, Ill. "Dasco"
Deuse, J. S., Chester, Conn.
Greenlee Tool Co., Rockford, Ill.
Irwin Auger Bit Co., Wilmington, O.
Johnson (William) Inc., 36 Brenner, Newark, N. J.
Kilborn & Bishop Co., New Haven, Conn. "Green Line"
Kraeuter & Co., 583 18th Av., Newark, N. J.
Mayhew Steel Products, Inc., Shelburne Falls, Mass.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
North Bros. Mfg. Co., Phila., Pa. "Yankee"
Olson Mfg. Co., Worcester, Mass.
Peck, Stow & Wilcox Co., Southampton, Conn. "Pexto"
Plomb Tool Co., Los Angeles, Cal.
Ryan (James J.) Tool Wks., Southington, Conn.
Snell Mfg. Co., Fiskdale, Mass.
Stanley Wks., New Britain, Conn.
Starrett (L. S.) Co., Athol, Mass.
Stortz (Jno.) & Son, Phila., Pa.
Swan (Jas.) Co., Seymour, Conn.
Syracuse Twist Drill Co., Syracuse, N. Y.
Thayer Mfg. Co., Williamsburg, Mass.
Thomson Drop Forge Co., Plantsville, Conn.
Tuck Mfg. Co., Brockton, Mass.
Vaughan & Bushnell Mfg. Co., Chicago, Ill. "V. & B."

BITS, Tapping

Greenlee Tool Co., Rockford, Ill.
Pugh (Job T.) Inc., Phila., Pa.
Snell Mfg. Co., Fiskdale, Mass.
Swan (Jas.) Co., Seymour, Conn.

BITS, Tool Holder

Alvord-Polk Tool Co., Millersburg, Pa.
Armstrong Bros. Tool Co., Chicago, Ill. "Armide"
Disston (Henry) & Sons (Tacony), Phila., Pa.
Simonds Saw & Steel Co., Fitchburg, Mass.
Williams (J. H.) & Co., Buffalo, N. Y.

BITS, Wood—See Bits, Auger

BLACK SHEETS—See Sheets, Black

BLACK WIRE CLOTH—See Cloth, Wire, Black, Brass, Bronze, Copper, Galvanized, Etc.

BLACKBOARD CRAYONS—See Crayons

BLACKBOARDS, Children's

American Mfg. Concern, Falconer, N. Y.
Baker (W. J.) Co., Newport, Ky.
Cass (N. D.) Co., Athol, Mass.
Converse-Mason Corp., Winchendon, Mass.
Cress (H. G.) Co., Troy, O. "Exy-Out"
Drewry Bros., North Weare, N. H.
Fox Toy Co., Berea, O.
Gem Mfg. Co., Bascom, O.
Maine Mfg. Co., Nashua, N. H.
Mason & Parker Mfg. Co., Winchendon, Mass.
Meinecke Mfg. Co., Milwaukee, Wis.
National School Slate Co., Slatington, Pa.
Playskool Institute, Div. of John Schroeder Lumber Co., Milwaukee, Wis.
Richmond School Furniture Co., Muncie, Ind. "Litho-Plate"
Toy Company of America, Appleton, Wis.
Weber-Costello Co., Chicago Heights, Ill.

BLACKBOARDS, Swinging

Richards-Wilcox Mfg. Co., Aurora, Ill.

BLACKING BOX HOLDERS—See Holders, Blacking Box

BLACKINGS and POLISHES, Shoe

American Polish Co., Chicago, Ill. "Eagle Brand"
Barton Mfg. Co., St. Louis, Mo. "Dyanshine"
Brown (B. F.) & Co., Boston, Mass.
Burckard Blacking & Oil Co., Baltimore, Md. "Perfection"
Callaway, W., Elmer, 51 Wilkinson Av., Jersey City, N. J.
Cleveland (Alden T.) Mfg. Co., Boston, Mass.
Conley Stain & Blacking Co., Boston, Mass.
Cummings (G. R.) Jr., & Co., Milwaukee, Wis.
Gold Dust Corp., 297 Fourth Av., New York, N. Y. "Bixby's," "Jet Oil," "Royal," "Shinola," "Shuwhite," "2 in 1"
Hauthaway (C. L.) & Sons, Boston, Mass.
Herriott Polish Co., St. Louis, Mo.
Manhattan Shoe Polish Co., 367 Hamilton Av., B'klyn, N. Y.
Martin & Martin, Chicago, Ill. "E-Z"
Mason (Jas. S.) Co., Phila., Pa. "Challenge"
Prescott (J. L.) Co., 92 W. Broadway, New York, N. Y.
Preserve Polish Co., Kansas City, Mo.
St. Louis Rubber Cement Co., Inc., St. Louis, Mo. "Red X"
Stinson (B. F.) & Co., Buffalo, N. Y.
Superior Polish Co., Brockton, Mass.
Thompson (Ferd.) & Co., Rockland, Mass.
Whittemore Bros. Corp., Cambridge, Mass. "Albo," "Big Four," "Bostonian," "Chic," "Dandy," "Elite," "French Gloss," "Gilt Edge," "Midget," "New Era," "Quick White," "Star," "Superb"
Yankee Polish Co., 88 Park Pl., New York, N. Y.

BLACKINGS, Stove—See Polishes, Stove

BLACKSMITHS' ANVILS—See Anvils, Blacksmiths'

BLACKSMITHS' BELLOWS—See Bellows, Blacksmiths'

BLACKSMITHS' BUTTERISES—See Butterises, Blacksmiths'

BLACKSMITHS' CHISELS—See Chisels, Blacksmiths'

BLACKSMITHS' DRILLS—See Drills, Blacksmiths'

BLACKSMITHS' FLATTERS—See Flatters, Blacksmiths'

BLACKSMITHS' HAMMERS—See Hammers, Blacksmiths'

BLACKSMITHS' NIPPERS—See Nippers, Blacksmiths'

BLACKSMITHS' PUNCHES—See Punches, Blacksmiths'

BLACKSMITHS' RULES—See Rules, Blacksmiths'

BLACKSMITH'S SUPPLIES—See article desired

BLACKSMITHS' TONGS—See Tongs, Blacksmiths'

BLACKSMITHS' TOOLS—See article desired

BLACKSMITHS' VISES—See Vises, Blacksmiths'

BLADDERS, Basket Ball—See Bladders, Foot Ball, Etc.

BLADDERS, Foot Ball, Etc.

Ken-Wel Sporting Goods Co., Utica, N. Y.
Reach (A. J.) Wright & Ditson, Inc., Phila., Pa.
Seamless Rubber Co., New Haven, Conn.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Tyer Rubber Co., Andover, Mass.

BLADDERS, Punching Bag—See Bladders, Foot Ball, Etc.

BLADE HANDLES, Pattern Makers'—See Handles, Blade, Pattern Makers'

BLADE HANDLES, Shirt Cutters'—See Handles, Blade, Pattern Makers' and Shirt Cutters'

BLADE HANDLES, Shoe Cutters'—See Handles, Blade, Shoe Cutters'

BLADE SHARPENING MACHINES, Safety Razor—See Sharpeners, Razor Blade, Machine

BLADE STROPPERS—See Stroppers, Blade

BLADES, Butchers' Saw
(See also Saws, Butchers')

American Saw & Mfg. Co., Springfield, Mass. "Lenox"
Atkins (E. C.) & Co., Indianapolis, Ind.
Batcheller Saw & Tool Co., Port Jervis, N. Y.
Disston (Henry) & Sons, Inc., (Tacony), Phila., Pa.
Massachusetts Saw Wks., Chicopee, Mass.
Mechanics Tool & Wrench Co., Greenfield, Mass.
Millers Falls-Goodell Pratt Co., Greenfield, Mass. "Economy"
Ohlen-Bishop Co., Columbus, O.
Simonds Saw & Steel Co., Fitchburg, Mass.

BLADES, Coping—See Saws, Coping

BLADES, Fellow Webs—See Saws, Jig

BLADES, Hack Saw—See Saws, Hack

BLADES, Jig—See Saws, Jig

BLADES, Pattern Makers' and Shirt Cutters'

Murphy's (Robert) Sons Co., Ayer, Mass. "Stay Sharp"
Parker Wire Goods Co., Worcester, Mass.

BLADES, Pulpwood—See Saws, Pulpwood

BLADES, Safety Razor

American Safety Razor Corp., 393 Jay, Bklyn., N. Y. "Ever-Ready," "Gem," "Star"
Ammco, 150 W. 28th, New York, N. Y.
Arnold Co., Reading, Pa.
Boker (H.) & Co., 101 Duane, New York, N. Y. "Red Injun"
Burham Safety Razor Co., 388 Hudson, New York, N. Y. "Curley Ideal," "Grade A," "Ideal," "Toledo," "Vic Master"
Cattaraugus Cutlery Co., Little Valley, N. Y.
Christensen (H. M.) Co., Brockton, Mass.
Christy Sales Co., Fremont, O.
Clark Blade & Razor Co., 119 Sussex Av., Newark, N. J.
Clauss Shear Co., Fremont, O.
Conrad Razor Blade Co., 36th and 47th Av., Long Island City, N. Y.
Crescent Mfg. Co., Fremont, O.
DeHaven Razor Corp., Swanton, O.
Dunhill Razor Corp., 11 E. 26th, New York, N. Y.
Durham Duplex Razor Co., 190 Baldwin Av., Jersey City, N. J.
Eagle Safety Razor Co., 66 W. Bdwy., New York, N. Y.

BLADES, Safety Razor (Continued)

Enders Razor Co., Inc., 342 Madison Av., New York, N. Y.
Gem Safety Razor Corp., 62 Lawrence, Bklyn, N. Y.
Geneva Cutlery Corp., Geneva, N. Y.
Gillette Safety Razor Co., Boston, Mass. "DeLuxe," "Probak," "Valet-Autostrop"
Greist Mfg. Co., New Haven, Conn. "Penn"
Henckels (J. A.), Inc., 456 4th Av., New York, N. Y. "Twin Brand," "Welkut"
Heppenstall Co., Pittsburgh, Pa. "Hardtem"
International Safety Razor Corp., Locust Av., Bloomfield, N. J. "Blue-Back," "Corona," "Fax," "Fycent," "Liberty," "Nurok," "Sha-Ve-Zee," "Speeder," "Speedox," "Speedway"
Lucky Stroke Razor Blade Co., 80 E. 11th, New York, N. Y.
Magazine Repeating Razor Co., 285 Madison Av., New York, N. Y. "Schick"
Marathon Razor Blade Co., Inc., 123 Colt, Irvington, N. J.
Mills Sales Co., 901 B'way, New York, N. Y. "Piccadilly"
New Jersey Safety Razor Blade Mfg. Co., Inc., 485 S. 21st, Newark, N. J.
Remington Arms Co., Inc., Bridgeport, Conn. "Kleanshave"
Ronson Products, Inc., Newark, N. J.
Roth (Otto) Inc., 15 E. Runyon, Newark, N. J. "Radium"
Segal Safety Razor Corp., 12 Warren, New York, N. Y.
Smith Safety Razor Blade Co., Inc., 25 W. 36th, New York, N. Y.
Standard Safety Razor Corp., East Norwalk, Conn. "Norwalk," "Rio," "Span," "Vim"
Torrey (J. R.) Razor Co., Worcester, Mass.
Twinplex Sales Co., St. Louis, Mo.
Vic Safety Razor Co., 266 W. Houston, New York, N. Y.
Wade & Butcher Corp., 190 Baldwin Av., Jersey City, N. J. "Special"
Weck (Edward) & Co., Inc., 206 B'way, New York, N. Y. "Sextoblade"
Wisconsin Abrasive Co., Milwaukee, Wis. "Master" "Nu-Edge"
Woods (John H.), Richmond Hill, N. Y.
Wostenholm (Geo.) & Son, 258 B'way, New York, N. Y. "I. X. L."

BLADES, Safety Razor, Container

American Ring Co., Waterbury, Conn.
Gem Safety Razor Corp., 62 Lawrence, Bklyn., N. Y.

BLADES, Scroll—See Saws, Scroll

BLADES, Shirt Cutters'—See Blades, Pattern Makers' and Shirt Cutters'

BLADES, Shoe Cutters'

Harrington Cutlery Co., Southbridge, Mass. "Dexter"
Murphy's (Robert) Sons Co., Ayer, Mass. "Stay Sharp"
Parker Wire Goods Co., Worcester, Mass.

BLADES, Wood, Saw—See Saws, Buck

BLANK BOLTS—See Bolts, Blank

BLANK KEYS—See Keys, Blank

BLANK TAGS—See Tags, Marking and Blank

BLANKETS, Horse and Cattle

Ashworth's (J. E.) Sons, Westbrookville, Sullivan Co., N. Y.
Burlington Blanket Co., Burlington, Wis. "Stay On"
Chase (L. C.) & Co., Boston, Mass.
Kelly (Thos.) & Co., Boston, Mass. "Burleigh"
Monadnock Blanket Mills, Marlboro, N. H.
Oregon City Mfg. Co., Oregon City, Ore.
Rockfall Woolen Co, Middletown, Conn.
Sanford Mills, Sanford, Me.
Semple Mfg. Co., Louisville, Ky.
Springfield Blanket Co., Holyoke, Mass.
Stafford's (Jas.) Sons, Phila., Pa.
Troy Blanket Mills, Troy, N. H.
Valley Woolen Mills, Marlboro, N. H.
Waterbury (H.) & Sons Co., Oriskany, N. Y.

BLANKETS, Saddle. Horse

American Pad & Textile Co., Greenfield, O. "Dura-Pad"
Ayres (Wm.) & Sons, Inc., Phila., Pa.
Burlington Blanket Co., Burlington, Wis. "Stay On"

BLANKS, Chisel

Boker (H.) & Co., 107 Duane, New York, N. Y.
Cleveland Punch & Shear Wks., Cleveland, O.
Hunter Saw & Machine Co., Pittsburgh, Pa.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
United Screw & Bolt Corp., Cleveland, O. "Steelcraft"

BLASTING BATTERIES—See Batteries, Blasting

BLASTING CAPS—See Caps, Blasting

BLASTING FUSES—See Fuses, Blasting

BLASTING GELATIN—See Gelatin, Blasting

BLASTING MACHINES, Electric

Atlas Powder Co., Wilmington, Del. "Giant"
Fidelity Electric Co., Lancaster, Pa.
Giant Powder Co., San Francisco, Cal.
National Carbon Co., Inc., 30 E. 42nd, New York, N. Y.

BLASTING MATS—See Mats, Blasting

BLASTING POWDER—See Powder, Blasting

BLASTING SUPPLIES—See article desired

BLIND ADJUSTERS—See Adjusters, Blind

BLIND HINGES—See Hinges, Blind

BLOCK MACHINES, Concrete

Besser Mfg. Co., Alpena, Mich.
Consolidated Concrete Machinery Corp., Adrian, Mich.
Dunn (W. E.) Mfg. Co., Holland, Mich.
Foote (J. B.) Foundry Co., Frederickstown, O.
Hydraulic Press Mfg. Co., Mount Gilead, O.
Ideal Concrete Machy. Co., Cincinnati, O.
Miles Mfg. Co., Jackson, Mich.
Moore Plow & Implement Co., Greenville, Mich.
Multiplex Concrete Machy. Co., Elmore, O.
Northwestern Steel & Iron Wks., Eau Claire, Wis.
Pettyjohn Co., Terre Haute, Ind.
Quinn Wire & Iron Wks., Boone, Ia.
R. & L. Concrete Machy. Co., Kendallville, Ind.
Rempis & Gallmeyer Foundry Co., Grand Rapids, Mich.
Republic Iron Wks., Tecumseh, Wis.
Rowell, D. G., Appleton, Wis. "Samson"
Stewart Mfg. Co., Waterloo, Ia.
Zagelmeyer Cast Stone Block Machy. Co., Bay City, Mich.

BLOCK AND STENCIL KNIVES—See Knives, Stencil and Block

BLOCK TIN—See Tin, Block

BLOCKS—See also Pulleys

BLOCKS, Alphabet

American Mfg. Concern, Falconer, N. Y.
Embossing Co., Albany, N. Y.
Gilbert (A. C.) Co., New Haven, Conn.
Halsam Products Co., Chicago, Ill.
Mengel Co., St. Louis, Mo.
Schoenhut (A.) Co., Phila., Pa.

BLOCKS, Building, Stone, Toy

Lorenzen (Chas. F.) & Co., Chicago, Ill.
Meccano Co. of America, Inc., 200 5th Av., New York, N. Y. (Composition Brick)
Phoenix Toy Co., Milwaukee, Wis.

BLOCKS, Building, Wood, Toy

American Mfg. Concern, Falconer, N. Y.
American Novelty Wks., Herndon, Pa. "Star"
American Original Toys, Inc., Vancouver, Wash. "Build Over"
American Toy Shop, Milwaukee, Wis. "Tyro"
Bogert & Hopper, 223 Varick, New York, N. Y.
Bradley (Milton) Co., Springfield, Mass.
Cass (N. D.) Co., Athol, Mass.
Converse-Mason Corp., Winchendon, Mass.
Embossing Co., Albany, N. Y.
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Gilbert (A. C.) Co., New Haven, Conn.
Halsam Products Co., Chicago, Ill.
Jo Jo Toy Co., San Francisco, Cal.
Lewis (G. B.) Co., Watertown, Wis. "Busy Blox"
Mengel Co., St. Louis, Mo.
Playskool Institute, Div. of John Schroeder Lumber Co., Milwaukee, Wis.
Root (A. I.) Co., Medina, O.
Schoenhut (A.) Co., Phila., Pa. "Little Tots"
Strombeck-Becker Mfg. Co., Moline, Ill. "Buildoblox," "Diamoblox," "Hexoblox"

BLOCKS or HOISTS, Chain
(See also Hoists, Chain and Ropes)

Bridgeport Chain & Mfg. Co., Bridgeport, Conn.
Chisholm-Moore Hoist Corp., Tonawanda, N. Y. "All-Lite," "Cyclone"
Columbus-McKinnon Chain Co., Tonawanda, N. Y. "Hercules"
Curtis Pneumatic Machinery Co., St. Louis, Mo.
Ford Chain Block Co., Phila., Pa. "Tribloc"
Harrington Co., Phila., Pa. "Peerless"
Hobbs (Clinton E.) Co., Everett, Mass.
Krein Chain Co., Wapakoneta, O.
Lakeside Bridge & Steel Co., N. Milwaukee, Wis.
New Jersey Fdry. & Mach. Co., 48 W. B'way, New York, N. Y. "Delta"
Ney Mfg. Co., Canton, O. "Monarch"
Reading Chain & Block Corp., Reading, Pa.
Round (D.) & Son, Cleveland, O. "Little Wizard," "Superior," "Weston"
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Speidel, J. G., Reading, Pa. "Simplex"
Woodhouse Chain Co., Trenton, N. J.
Wright Mfg. Co., York, Pa.
Yale & Towne Mfg. Co., Phila., Pa.

BLOCKS, Chain, Differential

Bridgeport Chain & Mfg. Co., Bridgeport, Conn.
Chisholm-Moore Hoist Corp., Tonawanda, N. Y.
Ford Chain Block Co., Phila., Pa.
Harrington Co., Phila., Pa.
Reading Chain & Block Co., Reading, Pa.
Round (David) & Son, Cleveland, O. "Weston"
Wright Mfg. Co., York, Pa.
Yale & Towne Mfg. Co., Phila., Pa.

BLOCKS, Nested, Toy

Gabriel (Saml.) Sons & Co., 74 5th Av., New York, N. Y.
Phillips (H. J.) Co., 354 4th Av., New York, N. Y.
Schoenhut (A.) Co., Phila., Pa.

BLOCKS, Spelling—See Blocks, Alphabet

BLOCKS, Tackle, Snatch, Etc.

American Logging Tool Co., Evart, Mich.
Boston & Lockport Block Co., Boston, Mass. "Star Brand"
Byers Mach. Co., Ravenna, O.
Chance Co., Centralia, Mo.
Fulton Iron Wks., Detroit, Mich. "Sure-Grip"
Hall Mfg. Co., Cedar Rapids, Ia.
Laughlin (Thos.) Co., Portland, Me.
Lufkin, Chas. F., Gloucester, Mass.
McMillan's (W. H.) Sons, 49 South, New York, N. Y.
Marine Hdw. Equipment Co., South Portland, Me.
Merriman Bros., Boston, Mass.
Neptune Hardware Mfg. Co., 80 Warren, New York, N. Y.
Ney Mfg. Co., Canton, O. "Monarch"
Patterson (W. W.) Co., Pittsburgh, Pa.
Pittsburgh Block & Mfg. Co., Pittsburgh, Pa. "Big Giant," "Ferguson," "Little Giant"
Sohl, Fred E., Seattle, Wash.
Western Block Co., Lockport, N. Y. "Anvil"
Wilcox, Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.
Williamsport Wire Rope Co., Williamsport, Pa. "Madesco"

BLOW TORCHES—See Torches, Blow

BLOWERS, Bubble

Bogert & Hopper, 223 Varick, New York, N. Y. "Wizard"
Cradock Mfg. Co., West Medford, Mass.
Schindler, Chas., Toledo, O.
Whit Mfg. Co., Buffalo, N. Y.

BLOWERS, Hand

Beach-Russ Co., 50 Church, New York, N. Y.
Buffalo Forge Co., Buffalo, N. Y.
Canedy-Otto Mfg. Co., Chicago Heights, Ill. "Royal"
Champion Blower & Forge Co., Lancaster, Pa. "400," "Lancaster," "Midway"
Roots (P. H. & F. M.) Co., Connersville, Ind. "Acme"

BOARD RULES—See Rules, Board and Log

BOARDS, Bread, Pastry, Etc.

Albany Door Co., Albany, Ore. "Aldco" (Cover and Board Set)
Berg (John) Mfg. Co., Chicago, Ill.
Bogert & Hopper, 223 Varick, New York, N. Y.
Burns Mfg. Co., Syracuse, N. Y. (Knife Comb.)
Chicago Curtain Stretcher Co., Chicago, Ill.
Clark (J. R.) Co., Minneapolis, Minn.
Computing Cheese Cutter Co., Anderson, Ind. (Knife Comb.)
Dan-D Mfg. Co., Dayton, O.
Davis Mfg. Co., Clinton, Me. "Yankee"
Dillingham Mfg. Co., Sheboygan, Wis.
Empire Co., North Girard, Pa.
Erie City Mfg. Co., Erie, Pa.
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Gem Mfg. Co., Bascom, O.
Illinois Specialty Co., Tuscola, Ill. "Perfection"
Imperial Mfg. Co., Cambridge, O. "American," "Ideal"
Moulton Ladder Mfg., 2 Harding, Somerville, Mass.
Newton Mfg. Co., Newton, Ia.
Norwood Co., Cincinnati, O.
Parrish (J. Shepherd) Co., Chicago, Ill.
Specialty Mfg. Co., Titusville, Pa.
Stanley Savage Mfg. Co., Chicago, Ill.
Stiles (H. A.) & Co., Boston, Mass.
Stoware, Inc., Stowe, Vt.
Teepe Whitney Corp., Vernon & Nott Avs., Long Island City, N. Y.
Washburn Company, Worcester, Mass.
Wausau Novelty Co., Wausau, Wis.
White Wood Products Co., Bogalusa, La.

BOARDS, Checker and Backgammon Game
(See also Games, Checker and Backgammon)

Bradley (Milton) Co., Springfield, Mass.
Carrom Co., Ludington, Mich.
Embossing Co., Albany, N. Y.
McCrillis (R. F.) Co., Norwalk, O.
McLoughlin Bros., 221 4th Av., New York, N. Y.
Parker Bros., Salem, Mass.
Rumpp (C. F.) & Sons, Phila., Pa.
Wolverine Sup. & Mfg. Co., Pittsburgh, Pa. "Sandy Andy"

BOARDS, Chess

Bradley (Milton) Co., Springfield, Mass.
McCrillis (R. F.) Co., Norwalk, O.
McLoughlin Bros., 221 4th Av., New York, N. Y.
Parker Bros., Salem, Mass.
Rumpp (C. F.) & Sons, Phila., Pa.
Sterling Furniture of Grand Rapids, Grand Rapids, Mich.

BOARDS, Counting—See Boards, Spelling, Counting, Reading, Etc.

BOARDS, Cribbage Game

Brauer Bros., Inc., St. Louis, Mo.
McCrillis (R. F.) Co., Norwalk, O.
Parker Bros., Salem, Mass.
Sterling Furniture of Grand Rapids, Grand Rapids, Mich.

BOARDS, Educational—See Boards, Spelling, Counting, Reading, Etc.

BOARDS, Game
(See also article desired)

Bogert & Hopper, 223 Varick, New York, N. Y.
Bradley (Milton) & Co., Springfield, Mass.
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
McCrillis (R. F.) Co., Norwalk, O.
McLoughlin Bros., 221 4th Av., New York, N. Y.
Michigan Game Board Mfg. Co., Flint, Mich.
Mikkelsen (Edward) & Co., Chicago, Ill.
Molding Corp. of America, Providence, R. I.
Parker Bros., Salem, Mass.
Parker (G. H.) Mfg. Co., Stamford, Conn.
Ridgely Trimmer Co., Springfield, O.
Sterling Furniture of Grand Rapids, Grand Rapids, Mich.
Unique Novelty Co., Independence, Ia.
Wolverine Sup. & Mfg. Co., Pittsburgh, Pa. "Sandy Andy"

BOARDS, Glass Cutting

Fletcher, Terry Co., Forestville, Conn.
Lufkin Rule Co., Saginaw, Mich. "Perfection"

BOARDS, Ironing

Asbestos Table Mat Co., Exeter, N. H. "Bunker Hill"
Berg (John) Mfg. Co., Chicago, Ill.
Bicknell (J. F.) Lumber Co., Worcester, Mass. (Folding)
Carr, Ryder & Adams Co., Dubuque, Ia.
Cass (N. D.) Co., Athol, Mass.
Chicago Curtain Stretcher Co., Chicago, Ill. "Star," "Sun"
Chicago Dryer Co., Chicago, Ill.
Clark, (J. R.) Co., Minneapolis, Minn.
Cupples Co., St. Louis, Mo.
Davenport Ladder Co., Davenport, Ia. "Heminway"
Davis Mfg. Co., Clinton, Me. "Yankee"
Dillingham Mfg. Co., Sheboygan, Wis.
Drake (A. W.) Mfg. Co., Hazleton, Pa. (Folding)
Eclipse Co., North Girard, Pa. "Eureka."
Forsyth (Wm.) & Sons Co., Lynn, Mass.
Geneva Mfg. Co., Geneva, Ill.
Howard Mfg. Co., Kent, Wash. "Automatic Safety," "Stanwell"
Huttig Sash & Door Co., St. Louis, Mo. (Inadoor)
Illinois Specialty Co., Tuscola, Ill. "Perfection"
Luke Basket Co., Berrien Springs, Mich. "Domestic," "New Idea"
Menominee Box & Lumber Co., Menominee, Mich.
Miami Cabinet Co., Middletown, O. (Wall Cabinet)
Monarch Products Co., Tiffin, O.
Morton Mfg. Co., Chicago, Ill.
Moulton (C. W. H.) Co., Somerville, Mass.
Mueller (H. G.) Mfg. Co., Sheboygan, Wis.
National Washboard Co., Chicago, Ill.
Paris Mfg. Co., South Paris, Me.
Peru Basket Co., Peru, Ind. "Leader," "Pioneer," "Wonder"
Richmond Cedar Wks., Richmond, Va. "Majestic"
Rich Pump & Ladder Co., 1028 Depot, Cincinnati, O. "E-Z"
Ritzenthaler, John, 73 Franklin, New York, N. Y. "Fold-A-Way," "Ritz"
Specialty Mfg. Co., Titusville, Pa.
Standard Mfg. Co., Cambridge City, Ind.
Stiles (H. A.) & Co., Boston, Mass.
Teepe Whitney Corp., Vernon & Nott Aves., Long Island City, N. Y.
Tucker & Dorsey Mfg. Co., Indianapolis, Ind. "Tee-Dee"
Tyrone Ironing Board Co., Tyrone, Pa. "McKinney"
Udell Wks., Indianapolis, Ind.
Walkerton Ladder Co., Walkerton, Ind.
Wausau Novelty Co., Wausau, Wis.
White Wood Products Co., Bogalusa, La. ((Folding)
Winter, Oscar, Phila., Pa. "Truk-Top," "Keystone"
Worley & Co., Pico, Cal. (Steel)
Young Bros. Co., Worcester, Mass.

BOARDS, Ironing, Skirt

Clark (J. R.) Co., Minneapolis, Minn.
Davis Mfg. Co., Clinton, Me. "Yankee'
Gem Mfg. Co., Bascom, O.
Illinois Specialty Co., Tuscola, Ill.
Moulton Ladder Mfg. Co., Somerville, Mass.
Teepe Whitney Corp., Vernon & Nott Avs., Long Island City, N. Y.

BOARDS, Ironing, Toy

Arcade Mfg. Co., Freeport, Ill.
Converse-Mason Corp., Winchendon, Mass.
Gem Mfg. Co., Bascom, O. "Sol-lid"
Illinois Specialty Co., Tuscola, Ill. "Junior Perfection"
Mengel Co., St. Louis, Mo.
Whitney Bros. Co., Marlboro, N. H.

BOARDS, Mill, Asbestos—See Boards, Wall

BOARDS, Pastry—See Boards, Bread, Pastry, Etc.

BOARDS, Plaster—See Boards, Wall

BOARDS, Reading—See Boards, Spelling, Counting, Reading, Etc.

BOARDS, Skirt—See Boards, Ironing, Skirt

BOARDS, Spelling, Counting, Reading, Etc.

Converse-Mason Corp., Winchendon, Mass.
Cress (H. G.) Co., Troy, O.
Selchow & Righter Co., 200 5th Av., New York, N. Y.

BOARDS, Stove
(See also Mats, Stove)

American Stove Board Co., Chicago, Ill.
Excelsior Stove & Mfg. Co., Quincy, Ill.
Jackes-Evans Mfg. Co., St. Louis, Mo.
Keasby & Mattison Co., Ambler, Pa.
Parkersburg Iron & Steel Co., Parkersburg, W. Va.
Porter (C. B.) Co., Phila., Pa. "Keystone"
Reeves Mfg. Co., Dover, O.
Savory, Inc., 591 Ferry, Newark, N. J.
Wabash Screen Door Co., Chicago, Ill.

BOARDS, Talking

Fuld, Wm., Baltimore, Md.
Kennard Novelty Co., Baltimore, Md.
Morgan (F. L.) Co., San Francisco, Cal.
Southern Toy Co., Baltimore, Md.
Wilder Mfg. Co., St. Louis, Mo.
Unique Novelty Co., Los Angeles, Cal.

BOARDS, Wall

Agascote Millboard Co., Trenton, N. J. "Homasote," "Steelasote," "Vehisote"
Alton Box Board & Paper Co., Alton, Ill. "Cedar Grain"
American Insulation Co. (Nicetown), Phila, Pa.
American Sash & Door Co., Kansas City, Mo.
Barrett Co., 40 Rector, New York N. Y.
Beaver Products Co., Buffalo, N. Y.
Bird & Son, Inc., East Walpole, Mass. "Neponset"
Bishopric Mfg. Co., Cincinnati, O.
Boeckeler Lumber Co., St. Louis, Mo.
Certain-Teed Products Corp., 100 E. 42nd, New York, N. Y. "Beaver Board," "Bestwall"
Compo-Board Co., Minneapolis, Minn.
Cornell Wood Products Co., Chicago, Ill.
Edwards Mfg. Co., Cincinnati, O. "Princess"
Emerson Carey Fibre Products Co.. Hutchinson, Kan. "Atlas"
Ford Roofing Products Co., Chicago, Ill.
Garden City Sand Co., Chicago, Ill.
Keasby-Mattison Co., Ambler, Pa. "Linabestos"
Leslie (John) Paper Co., Minneapolis, Minn.
Mac Andrews & Forbes Co., 200 5th Av., New York, N. Y. "Fibertic"
Mehler, Edward A., Louisville, Ky.
Mueller Lumber Co., Davenport, Ia.
Pantasote Co., 250 Park Av., New York, N. Y. "Homasote" (Imitation Tile)
Plastergon Wall Board Co., Buffalo, N. Y.
Rezilite Mfg. Co., Chicago, Ill.
Roberds Mfg. Co., Marion, Ind.
Rockford Paper Box Board Co., Rockford, Ill.
Rubens Paint & Glass Co., Richmond, Va.
Salling, N. P., Anderson, Ind.
Schumacher Wall Board Co., Los Angeles, Cal.
Standard Asbestos Mfg. Co., Chicago, Ill.
Toledo Plaster & Supply Co., Toledo, O.
Upson Co., Lockport, N. Y.
Waldorf Paper Products Co., St. Paul, Minn.
Western Builders' Supply Co., San Francisco, Cal.
Western Wall Paper Co., Seattle, Wash.

BOARDS, Wash

Austell Cabinet Co., Austell, Ga.
Boye Needle Co., Chicago, Ill. (Rubber)
Burdett Mfg. Co., Kansas City, Mo.
Cass (N. D.) Co., Athol, Mass.
Columbus Washboard Co., Columbus, O. "Bear Easy," "Rub-Lite"
Cupples Co., St. Louis, Mo.
Gem Mfg. Co. "Big Scout," "Durable Brass," "Laundry Pride," "Little Scout," "Premium Globe," "Soap Saver," "U. S. Glass"
Howard Mfg. Co., Kent, Wash. "Crown," "Forest Queen," "Holfast," "Silver Queen"
Ideal Sad Iron Mfg. Co., Cleveland, O.
Lawn, John A., Lewistown, Pa. "Easy-Task"
Marietta Mfg. Co., Indianapolis, Ind.
Monarch Products Co., Tiffin, O.
Mother Hubbard, Inc., Mendota, Ill.
National Washboard Co., Chicago, Ill. "Banner Globe," "Brass King," "Clean Washer," "Dawn Protector," "Dew Drop Globe," "Glass King," "High Grade," "Northern Queen," "Peerless," "Red Cross," "Red Star," "Reliable Metal," "Top Notch," "Town Talk," "Victory," "Vim," "White Hen"
Reeves Mfg. Co., Dover, O.
Wabash Screen Door Co., Chicago, Ill.
White Wood Products Co., Bogalusa, La. "American Pride.' "Brass Lion," "Dixie Brass," "Endura," "Excelo," "Flyer Brass," "Flyer Silver," "Golden Beam," "Justrite," "Lingerie," "Little Pal," "Royal Pride," "Silver Beam," "Silver Pride," "Sunshine"

BOARDS, Wash, Toy

National Enameling & Stamping Co., Milwaukee, Wis.
Wolverine Supply & Mfg. Co., Pittsburgh, Pa. "Sandy Andy"

BOAT ANCHORS—See Anchors, Boat

BOAT HARDWARE—See Marine Hardware

BOAT MOTORS—See Motors, Boat

BOAT NAILS—See Nails, Boat

BOAT SPIKES—See Spikes, Boat

BOAT WHISTLES—See Whistle, Boat

BOATS—See also Canoes

BOATS, Canvas

Acme Folding Boat Co., Miamisburg, O. (Folding)
Hunter-Everett Boat Co., McHenry, Ill.
King Folding Canvas Boat Co., Kalamazoo, Mich.
Lane (C. M.) Life Boat Co., 246 Huron, Bklyn, N. Y.
Michigan Consolidated Boat Co., Battle Creek, Mich.
Morris, B. V., Veazie, Me.
Mullins Body Corp., Salem, O.
Neptune Boat Wks., King & Dwight, Bklyn, N. Y.
Old Town Canoe Co., Old Town, Me.
Penobscot Canoe Co., Milford, Me.
Pneumatic Mfg. Co., 123 Pacific, Bklyn, N. Y.
Sandusky Boat & Cabinet Wks., Sandusky, O.
White (E. M.) & Co., Old Town, Me.

BOATS, Hunting

Barbour Metal Boat Wks., Valley Park, Mo.
Darrow Steel Boat Co., Albion, Mich.
Kidney (Daniel) & Son, West De Pere, Wis. "Green Bay"
Michigan Steel Boat Co., Detroit, Mich.
Mullins Body Corp., Salem, O.
Perrine, J. H., Barnegat, N. J.
Pope Boat Co., Fond du Lac, Wis.
Thompson Bros. Boat Mfg. Co., Peshtigo, Wis.

BOATS, Motor

Barbour Metal Boat Wks., Valley Park, Mo.
Darrow Steel Boat Co., Albion, Mich.
Johnson Motor Co., Waukegan, Ill.
Modern Appliances Co., Grand Rapids, Mich. "Star Keen Cutter," "Star Rambler," (Metal)
Skaneateles Boat & Canoe Co., Skaneateles, N. Y.

BOATS, Toy

All-Electric Toy Co., Harrisburg, Pa. "Monarch of the Sea" (Electric)
Arcade Mfg. Co., Freeport, Ill. "Show Boat"
Benoliels, Inc., Chicago, Ill. "Johnson Sea-Horse," "Spiffy"
Cass (N. D.) Co., Athol, Mass.
Conestoga Corp., Bethlehem, Pa. "BIG-BANG"
Converse-Mason Corp., Winchendon, Mass. "Bild-A-Boat"
Dank (M. Carlton) Toy Corp., 465 Liberty Av., Bklyn., N. Y.
Gobar Products, Anderson, Ind.
MacLeod, Jas., Boston, Mass.
Mengel Co., St. Louis, Mo.
Patent Novelty Co., Inc., Fulton, Ill. (Canoes)
Pressed Metal Products Co., Cleveland, O. "Kanters"
Schieble Toy & Novelty Co., Dayton, O.
Schoenhut (A.) Co., Phila., Pa. "Star"
Tillicum Toys, Inc., Tacoma, Wash.
Toy Company of America, Appleton, Wis.

BOATS, Toy, Mechanically Operated

Abba International Products Co., New Hartford, N. Y. "Nautilus Jr."
Buckeye Toy Co., Cleveland, O.
Gilbert (A.C.) Co., New Haven, Conn.
Ives Corp., 200 5th Av., New York, N. Y.
Kingsbury Mfg. Co., Keene, N. H.
Liberty Playthings, Inc., Niagara Falls, N. Y.
Shoe Form Co., Inc., Auburn, N. Y. "Fairy Craft," "Speed Boats"
Weeden Mfg. Co., New Bedford, Mass.

BOBS, Plumb

American Swiss File & Tool Co., Elizabeth, N. J.
Bergman Tool Mfg. Co., Buffalo, N. Y.
Brown & Sharpe Mfg. Co., Providence, R. I. "Mercury"
Chapin-Stephens Co., Pine Meadow, Conn.
Dietzgen (Eugene) Co., Chicago, Ill.
Dikeman Mfg. Co., Norwalk, Conn. "Cant-Roll"
Disston (Henry) & Sons, (Tacony), Phila., Pa.
Ennis Mfg. Co., Reading, Pa.
Gray Iron Foundry Co., Reading, Pa.
Grey Iron Casting Co., Mt. Joy, Pa.
Hyde Mfg. Co., Southbridge, Mass.
Keuffel & Esser Co., 300 Adams, Hoboken, N. J. "K & E"
Lamp & Miller Mfg. Co., Milwaukee, Wis.
Leister's (Paul) Sons Mfg. Co., Inc., St. Charles, Mo.
Lufkin Rule Co., Saginaw, Mich. (For Oil Gaging Tapes)
Millers Falls-Goodell Pratt Co., Greenfield, Mass. "O. K."
Peck, Stow & Wilcox Co., Southington, Conn.
Phoenix Hdw. Mfg. Co., Buffalo, N. Y.
Ridgely Trimmer Co., Springfield, O.
Sand's Level & Tool Co., Detroit, Mich.
Sargent & Co., New Haven, Conn.
Stanley Wks., New Britain, Conn.
Starrett (L. S.) Co., Athol, Mass.
Stearns (E. C.) & Co., Syracuse, N. Y. "Stearns Ecsco"
Union Hdw. Co., Torrington, Conn.
Wrightsville Hdw. Co., Wrightsville, Pa.

BODY CLAMPS—See Clamps, Body

BODY PROTECTORS—See Protectors, Body

BOILER CEMENT—See Cement, Cast Iron

BOILER COPPER FLOATS—See Floats, Copper; Steam Trap and Boiler

BOILER FEED PUMPS—See Pumps, Boiler Feed

BOILER FITTINGS—See Fittings, Boiler

BOILER HANDLES, WASH—See Handles, Boiler

BOILER MAKERS' HAMMERS—See Hammers, Riveting

BOILER REPAIR PLUGS—See Plugs, Boiler Repair

BOILER REPAIRS—See Repairs, Boiler

BOILER RIVETS—See Rivets, Boiler

BOILER ROOM FIRING TOOLS—See Tools, Firing, Boiler Room

BOILER SEALING COMPOUNDS—See Compounds, Boiler Sealing

BOILER STANDS—See Stands, Boiler

BOILER WATER FEEDERS—See Feeders, Boiler, Water

BOILERS, Cooking—See Ware, Aluminum; also Ware, Enameled; also Ware, Tin

BOILERS, Egg, Electric

Hankscraft Co., Madison Wis. "Egg-Ett"
Landers, Frary & Clark, New Britain, Conn. "Universal"
National Telephone Supply Co., Cleveland, O. "Eggster"
Pelouze Mfg. Co., Chicago, Ill.

BOILERS, Ham—See Kettles, Cast Iron

BOILERS, Heating, Steam or Hot Water

American Radiator Co., Buffalo, N. Y. "Arcola"
Central Radiator Co., 420 Lexington Av., New York, N. Y.
Cox (Abram) Co., Phila., Pa. "Novelty"
Dahlquist Mfg. Co., Boston, Mass.
Grote (F.) Mfg. Co., Evansville, Ind.
International Heater Co., Utica, N. Y. "Economy"
Kappler-Fox Fdry. Co., Phila., Pa.
Mueller (L. J.) Furnace Co., Milwaukee, Wis.
Pierce, Butler & Pierce Mfg. Corp., 41 E. 42nd, New York, N. Y.
Richardson & Boynton Co., 244 Madison Av., New York, N. Y.
Thatcher Co., 39 St. Francis, Newark, N. J.

BOILERS, Range, Copper

Badger (E. B.) & Sons Co., Boston, Mass.
Dahlquist Mfg. Co., Boston, Mass. "Aquatherm," "Boston," "Turbo"
Engelhard (Frank) & Sons, Springfield, Mass.
Everitt Co., Boston, Mass.
Gerstein & Cooper, Boston, Mass.
Hayes Mfg. Co., Paterson, N. J. "Manhattan," "Modern," "Wilhelme"
Moriarty, G. J., Boston, Mass.
Mott (J. L.) Iron Wks., 535 5th Av., New York, N. Y.
Randolph-Clowes Co., Waterbury, Conn. "Brown Bros.," "Seamless"
Trageser (John) Steam Copper Wks., 5000 Grand Av., Bklyn., N. Y.

BOILERS, Range, Galvanized Iron

Case (W. A.) & Son Mfg. Co., Buffalo, N. Y. "Eastern"
Hedges-Walsh-Weidner Co., Chattanooga, Tenn.
Heller-Aller Co., Napoleon, O.
Hibbs, E. A., Philadelphia, Pa.
Koven (L. O.) & Bros., 154 Ogden Av., Jersey City, N. J.
Pennsylvania Range Boiler Co., Phila., Pa.
Riverside Boiler Wks., Cambridge, Mass.
Roberts-Hamilton Co., Minneapolis, Minn. "Storm King"
Scaife (Wm. B.) & Sons Co., Pittsburgh, Pa.
Thompson Iron Wks., Phila., Pa.
Trageser (John) Steam Copper Wks., 5000 Grand Av., Bklyn., N. Y. "Graves"
Wheeling Steel Corp., Wheeling, W. Va. "Wheeling," "Whitaker"
Wolff Mfg. Co., Chicago, Ill. "Duro"
Wood (John) Mfg. Co., Conshohocken, Pa.

BOILERS, Rice

American Aluminum Mfg. Co., Lemont, Ill. "American Maid"
Bellaire Enamel Co., Bellaire, O. "Beco"
Columbian Enameling & Stamping Co., Terre Haute, Ind.
Fargo Aluminum Co., Taunton, Mass.
Federal Enameling & Stamping Co., McKees Rocks, Pa. "Old Holland"
Illinois Pure Aluminum Co., Lemont, Ill. "American Maid"
Kreamer (A.), Inc.), 307 Kent Av., Bklyn., N. Y.
Landers, Frary & Clark, New Britain, Conn.
Lisk Mfg. Co., Ltd., Canandaigua, N. Y.
Metal Ware Corp., Two Rivers, Wis. "Pilgrim Ware"
National Enameling & Stamping Co., Milwaukee, Wis. "Nesco"
Revere Copper & Brass Inc., 230 Park Av., New York, N. Y.
Savory, Inc., 591 Ferry, Newark, N. J.
U. S. Stamping Co., Moundsville, W. Va.
Vollrath Co., Sheboygan, Wis.

BOILERS, TOY—See Sets, Cooking, Toy

BOILERS, Wash

American Can Co., 230 Park Av., New York, N. Y. "Canco"
Atlantic Stamping Co., Rochester, N. Y.
Atlas Tinware Co., 2472 3rd Av., New York, N. Y. "Cantleek," "E-Z-Boil," "Master"
Badger (E. B.) & Sons Co., Boston, Mass.
Bass, Joseph, Phila., Pa.
Behrens (H.) Mfg. Co., Winona, Minn. "Never Mend"
Bertels (W. B.) & Son Co., Wilkes-Barre, Pa. "Black Diamond"
Dahlquist Mfg. Co., Boston, Mass.
Dover Stamping & Mfg. Co., Cambridge, Mass.
Geuder, Paeschke & Frey Co., Milwaukee, Wis. "Cream City," "Superior"
Hugo Mfg. Co., Duluth, Minn.
Kramenstein, M., 135 Pearl, Bklyn., N. Y.
Kreamer (A.), Inc., 307 Kent Av., Bklyn., N. Y.
Lalance & Grosjean Mfg. Co., Woodhaven, L. I.
Lawrence-Bostwick Mfg. Co., Phelps, N. Y.
Lawson (F. H.) Co., Cincinnati, O. "Lawco"
Lisk Mfg. Co., Ltd., Canandaigua, N. Y.
Louisville Tin & Stove Co., Louisville, Ky.
McAleer (E. J.) & Co., Phila., Pa.
Mosheik (P.) & Son, Chicago Ill.
National Enameling & Stamping Co., Milwaukee, Wis.
New England Enameling Co., Middletown, Conn.
Phillips & Buttorff Mfg. Co., Nashville, Tenn.
Pittsburgh Tinware Mfg. Co., Pittsburgh, Pa. "Tinco"
Porter (C. B.) Co., Phila., Pa. "Best Quality"
Ray (Geo. A.) Mfg. Co., Buffalo, N. Y.
Reed Mfg. Co., Newark, N. J.
Republic Metalware Co., Buffalo, N. Y.
Richardson (M. A.) Inc., Chicago, Ill.
Robeson-Rochester Corp., Rochester, N. Y. "Royal Rochester"
Rochester Can Co., Rochester, N. Y. "Iron Horse"
Rome Mfg. Co., Rome, N. Y.
Savory, Inc., 591 Ferry, Newark, N. J.
Schlueter Mfg. Co., St. Louis, Mo. "De Luxe," "Jewel"
Stratton & Terstegge Co., Inc., Mfg. Div., Louisville, Ky. "Falls City"
Stuber & Kuck Co., Peoria, Ill. "Uncle Sam"

BOLT CABINETS—See Cases, Bolt

BOLT CAPS—See Caps, Bolt, Nut and Screw

BOLT CLIPPERS—See Clippers, Bolt

BOLT CUTTERS—See Taps and Dies; also Screw Plates; also Clippers, Bolt

BOLT DIE STOCKS—See Stocks, Die, Pipe and Bolt

BOLTS, Anchor

American Equipment Co., Norristown, Pa.
Ankyra Mfg. Co., Phila., Pa.
Bayonne Bolt & Nut Co., Bayonne, N. J.
Bethlehem Foundry & Mach. Co., Bethlehem, Pa.
Bethlehem Steel Co., Bethlehem, Pa.
Diamond Expansion Bolt Co., 90 West, New York, N. Y.
Harrison Bolt & Nut Co., (Harrison), Newark, N. J.
Maryland Bolt & Nut Co., Baltimore, Md.
Merrill Bros., Maspeth, N. Y.
Pittsburgh Rivet Co., Pittsburgh, Pa.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
St. Louis Screw & Bolt Co., St. Louis, Mo.
Stewart & Romaine Mfg. Co., Phila., Pa.
U. S. Expansion Bolt Co., 75 Varick, New York, N. Y. "U. S. E."

BOLTS, Barrel—See Bolts, Door and Window

BOLTS, Blank

American Bolt Co., Birmingham, Ala.
American Equipment Co., Norristown, Pa.
Ames (W.) & Co., 417 Communipaw Av., Jersey City, N. J.
Autoscrew Co., 355 W. B'way, New York, N. Y. (Monel Metal)
Bayonne Bolt & Nut Co., Bayonne, N. J.
Bonney Forge & Tool Wks., Allentown, Pa.
Clark Bros. Bolt Co., Noble Rd., Milldale, Conn.
Lamson & Sessions Co., Cleveland, O.
Maryland Bolt & Nut Co., Baltimore, Md.
Michigan Bolt & Nut Wks., Detroit, Mich.
Oliver Iron & Steel Co., Pittsburgh, Pa.
Pittsburgh Screw & Bolt Co., Pittsburgh, Pa.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y. "Empire"
St. Louis Screw Co., St. Louis, Mo.
Scranton Bolt & Nut Co., Scranton, Pa.

BOLTS, Brass, Bronze and Copper

American Brass Co., Waterbury, Conn.
Bayonne Bolt & Nut Co., Bayonne, N. J.
Bull Dog Electric Products Co., Detroit, Mich.
Chase Brass & Copper Co., Waterbury, Conn.
Clark Bros. Bolt Co., Milldale, Conn.
Columbus Brass Co., Columbus, O.
Everitt Co., Boston, Mass.
Harper (H. M.) Co., Chicago, Ill.
Harris (Arthur) & Co., Chicago, Ill.
Harrison Bolt & Nut Co. (Harrison), Newark, N. J.
Haskell (Wm. H.) Mfg. Co., Pawtucket, R. I.
Kaufman (Chas.) & Son, Inc., Santa Ana, Cal.
Moran Bolt & Nut Mfg. Co., St. Louis, Mo.
National Acme Mfg. Co., Cleveland, O.
National Screw & Mfg. Co., Cleveland, O.
Pawtucket Mfg. Co., Pawtucket, R. I.
Reading Hdw. Co., Reading, Pa.
Reed & Prince Mfg. Co., Worcester, Mass.
Rockford Bolt Co., Rockford, Ill.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
St. Louis Screw & Bolt Co., St. Louis, Mo.
Trumpbour-Whitehead Brass & Copper Co., Boston, Mass.
Whitehead Metal Products Co., Boston, Mass.

BOLTS, Bronze—See Bolts, Brass, Bronze and Copper

BOLTS, Carriage

American Equipment Co., Norristown, Pa.
Atlas Bolt & Screw Co., Cleveland, O.
Ballard Drop Forge Co., Seattle, Wash.
Bassett (D. M.) Bolt Wks., Shelton, Conn.
Bayonne Bolt & Nut Corp., Bayonne, N. J.
Berry Bros., Columbus, O.
Bethlehem Steel Co., Bethlehem, Pa. "American"
Boss Bolt & Nut Co., Chicago, Ill.
Buffalo Bolt Co., North Tonawanda, N. Y.
Clark Bros. Bolt Co., Noble Rd., Milldale, Conn.
Columbus Bolt Wks. Co., Columbus, O. "Common," "Philadelphia"
Everitt Co., Boston, Mass.
Gary Screw & Bolt Co., Chicago, Ill.
Haydon, A. & M., Phila., Pa.
Lamson & Sessions Co., Cleveland, O.
Laughlin (Thos.) Co., Portland, Me.
Milton Mfg. Co., Milton, Pa.
National Lock Co., Rockford, Ill.
National Screw & Mfg. Co., Cleveland, O.
Neely Nut & Bolt Co., Pittsburgh, Pa. "Nubolt"
Ohio Nut & Bolt Co., Berea, O.
Oliver Iron & Steel Co., Pittsburgh, Pa.
Pheoll Mfg. Co., Chicago, Ill.
Pittsburgh Screw & Bolt Co., Pittsburgh, Pa.
Republic Steel Co., Upson Nut Div., Cleveland, O. "Upson"
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y. "Empire"
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
St. Louis Screw & Bolt Co., St. Louis, Mo.
Skelly (Thos. P.) Bolt Co., Phila., Pa. "Eagle"
Turner & Warner Screw Co., Kansas City, Mo.
Western Screw Mfg. Co., Chicago, Ill.
Wilcox, Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.

BOLTS, Chain

Allith-Prouty Co., Danville, Ill.
Brainerd Mfg. Co., East Rochester, N. Y.
Champion Hdw. Co., Geneva, O.
Clinton Lock Co., Clinton, Ia.
Corbin, P. & F., New Britain, Conn.
Fiwale Equipment Mfg. Co., Inc., 64 Reade, New York, N. Y.
Frantz Mfg. Co., Sterling, Ill.
Griffin Mfg. Co., Erie, Pa.
Hager (C.) & Sons Hinge Mfg. Co., St. Louis, Mo.
Hess (Chas.) Co., 49-14 Metropolitan Av., Bklyn., N. Y.
Lockwood Mfg. Co., Fitchburg, Mass.
McKinney Mfg. Co., Pittsburgh, Pa.
National Brass Mfg. Co., Cincinnati, O.
National Mfg. Co., Sterling, Ill.
Norwalk Lock Co., 12 Warren, New York, N. Y.
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Russell (J. M.) Mfg. Co., Naugatuck, Conn.
Russell & Erwin Mfg. Co., New Britain, Conn. "Russwin"
Sargent & Co., New Haven, Conn.
Segal Lock & Hdw. Co., Inc., 12 Warren, New York, N. Y.
Shelby Spring Hinge Co., Shelby, O.
Slaymaker Lock Co., Lancaster, Pa.
Stanley Wks., New Britain, Conn.
Yale & Towne Mfg. Co., Stamford, Conn.

BOLTS, Copper—See Bolts, Brass, Bronze and Copper

BOLTS, Cremone

Allith-Prouty Co., Danville, Ill.
Barrows Lock Works of Yale & Towne Mfg. Co., Lockport, Ill.
Corbin, P. & F., New Britain, Conn.
Detroit Hardware Mfg. Co., Detroit, Mich.
Detroit Wks., Detroit, Mich.
Ives (H. B.) Co., New Haven, Conn.
Lockwood Mfg. Co., Fitchburg, Mass.
Midwest Hardware Co., Chicago, Ill.
Monarch Mfg. Co., Detroit, Mich.
Norwalk Lock Co., 12 Warren, New York, N. Y.
Rixson (Oscar C.) Co., Chicago, Ill.
Russell & Erwin Mfg. Co., New Britain, Conn. "Russwin"
Sager Lock Wks. of Yale & Towne Mfg. Co., N. Chicago, Ill.
Sargent & Co., New Haven, Conn.
Slaymaker Lock Co., Lancaster, Pa.
Stanley Wks., New Britain, Conn.
Yale & Towne Mfg. Co., Stamford, Conn.

BOLTS, Door and Window
(See also Latches)

Allith-Prouty Co., Danville, Ill.
Ankyra Mfg. Co., Phila., Pa.
Barrows Lock Wks. of Yale & Towne Mfg. Co., Lockport, Ill.
Brainerd Mfg. Co., E. Rochester, N. Y.
Casement Hdw. Co., Chicago, Ill. "Bolt Fast," "Win-Dor"
Champion Hdw. Co., Geneva, O.
Clark (H. E.) & Bros., Rochester, N. Y.
Columbus Brass Co., Columbus, O.
Corbin, P. & F., New Britain, Conn.
Corbin Cabinet Lock Co., New Britain, Conn.
Dent Hdw. Co., Fullerton, Pa.
Excelsior Tool & Mfg. Co., 881 E. 147th, New York, N. Y.
Fiwale Equipment Mfg. Co., Inc., 64 Reade, New York, N. Y.
Frantz Mfg. Co., Sterling, Ill.
Frost (C. L.) & Son, Grand Rapids, Mich.
Goldhill Hdw. Mfg. Co., Los Angeles, Cal.
Grey Iron Casting Co., Mt. Joy, Pa.
Griffin Mfg. Co., Erie, Pa.
Hager (C.) & Sons Hinge Mfg. Co., St. Louis, Mo.
Hess (Chas.) Co., 49-14 Metropolitan Av., Bklyn., N. Y.
Hoffman (Andrew) Mfg. Co., Chicago, Ill.
Independent Lock Co., Fitchburg, Mass. "Ilco"
Ives (H. B.) Co., New Haven, Conn.
Laughlin (Thos.) Co., Portland, Me.
Lockwood Mfg. Co., Fitchburg, Mass.
McKinney Mfg. Co., Pittsburgh, Pa.
National Brass Co., Grand Rapids, Mich.
National Brass Mfg. Co., Cincinnati, O.
New York Brass Turning Co., 568 B'way, New York, N. Y. "Brassturn"
Norwalk Lock Co., 12 Warren, New York, N. Y.
Payson Mfg. Co., Chicago, Ill.
Peck, Stow & Wilcox Co., Southington, Conn.
Penn Hdw. Co., Reading, Pa.
Phenix Mfg. Co., Milwaukee, Wis.
Reading Hdw. Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Safe Padlock & Hdw. Co., Lancaster, Pa.
Sager Lock Works of Yale & Towne Mfg. Co., N. Chicago, Ill.
Sargent & Co., New Haven, Conn.
Sargent & Greenleaf, Rochester, N. Y. "Gem"
Segal Lock & Hdw. Co., Inc., 12 Warren, New York, N. Y.
Shelby Spring Hinge Co., Shelby, O.
Slaymaker Lock Co., Lancaster, Pa.
Stanley Wks., New Britain, Conn.
Stearns (E. C.) & Co., Syracuse, N. Y.
Tolman, Ira W, Worcester, Mass.
United Specialties Mfg. Co., Ltd., Richmond Hill, N. Y.
Wrightsville Hdw. Co., Wrightsville, Pa.
Yale & Towne Mfg. Co., Stamford, Conn.

BOLTS, Door, Factory and Garage

Allith-Prouty Co., Danville, Ill. "Drawtite"
Clark (H. Elmer) & Bro., Rochester, N. Y.
Corbin, P. & F., New Britain, Conn.
Frantz Mfg. Co., Sterling, Ill.
Hess (Chas.) Co., 49-14 Metropolitan Av., Bklyn., N. Y.
National Mfg. Co., Sterling, Ill.
Phenix Mfg. Co., Milwaukee, Wis.
Richards-Wilcox Mfg. Co., Aurora, Ill.
Sargent & Co., New Haven, Conn.
Shelby Spring Hinge Co., Shelby, O.
Stanley Wks., New Britain, Conn. "Kee Bolt"
Yale & Towne Mfg. Co., Stamford, Conn.

BOLTS, Door, Fire Exit—See Fixtures, Door, Fire

BOLTS, Door, House

Ankyra Mfg. Co., Phila., Pa.
Arcade Mfg. Co., Freeport, Ill.
Barrows Lock Wks. of Yale & Towne Mfg. Co., Lockport, Ill.
Brainerd Mfg. Co., E. Rochester, N. Y.
Champion Hdw. Co., Geneva, O.
Chantrell Hdw. & Tool Co., Reading, Pa.
Columbus Brass Co., Columbus, O.
Corbin, P. & F., New Britain, Conn.
Dent Hdw. Co., Fullerton, Pa.
Fiwale Equipment Mfg. Co., Inc., 64 Reade, New York, N. Y.
Grey Iron Casting Co., Mt. Joy, Pa.
Griffin Mfg. Co., Erie, Pa.
Hess (Chas.) Co., 49-14 Metropolitan Av., Bklyn., N. Y.
Independent Lock Co., Fitchburg, Mass. "Ilco"
Ives (H. B.) Co., New Haven, Conn.
Lawrence Bros., Sterling, Ill.
McKinney Mfg. Co., Pittsburgh, Pa.
Master Lock Co., 926 Juneau Av., Milwaukee, Wis.
Midwest Hardware Co., Chicago, Ill.
National Brass Co., Grand Rapids, Mich.
National Mfg. Co., Sterling, Ill.
New England Bolt Co., Everett, Mass.
Norwalk Lock Co., 12 Warren, New York, N. Y.
Payson Mfg. Co., Chicago, Ill.
Peck, Stow & Wilcox Co., Southington, Conn.
Penn Hdw. Co., Reading, Pa.
Peters (Jas.) & Son, Phila., Pa.
Pratt (Wm. E.) Mfg. Co., Chicago, Ill.
Reading Hdw. Co., Reading, Pa.
Rixson (Oscar C.) Co., Chicago, Ill.
Russell & Erwin Mfg. Co., New Britain, Conn.
Safety Padlock & Hdw. Co., Lancaster, Pa.
Sager Lock Wks. of Yale & Towne Mfg. Co., N. Chicago, Ill.
Sargent & Greenleaf, Rochester, N. Y.
Shelby Spring Hinge Co., Shelby, O.
Slaymaker Lock Co., Lancaster, Pa.
Stanley Wks., New Britain, Conn.
Wrightsville Hdw. Co., Wrightsville, Pa.
Yale & Towne Mfg. Co., Stamford, Conn.

BOLTS, Door, Panic
(See also Fixtures, Door, Fire)

Clark (H. Elmer) & Bros., Rochester, N. Y.
Cleveland City Forge & Iron Co., Cleveland, O.
Corbin, P. & F., New Britain, Conn.
Detroit Hdw. Mfg. Co., Detroit, Mich.
Peters (Jas.) & Son, Phila., Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.
Slaymaker Lock Co., Lancaster, Pa.
Vonnegut Hdw. Co., Indianapolis, Ind. "Von Duprin"
Yale & Towne Mfg. Co., Stamford, Conn.

BOLTS, Dutch Door

Corbin, P. & F., New Britain, Conn.
Reading Hdw. Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.
Yale & Towne Mfg. Co., Stamford, Conn.

BOLTS, Elevator

American Screw Co., Providence, R. I.
Clark Bros. Bolt Co., Noble Rd., Milldale, Conn.
Lamson & Sessions Co., Cleveland, O.
National Screw & Mfg. Co., Cleveland, O.
Republic Steel Corp., Upson Nut Div., Cleveland, O. "Upson"
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
Wilcox, Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.

BOLTS, Expansion

Ackerman-Johnson Co., Chicago, Ill.
Ankyra Mfg. Co., Phila., Pa.
Barrett Sales Co., Chicago, Ill. "Biplex"
Brohard Co., Phila., Pa.
Chicago Expansion Bolt Co., Chicago, Ill.
Church (Isaac) Expansion Bolt Co., E. Norwalk, Conn. "Duplex," "O. K.," "Perfect"
Columbus Brass Co., Columbus, O.
Diamond Expansion Bolt Co., 48 W. B'way, New York, N. Y. "Di-en-key," "Keystone," "Tenax"
Evans, F. H., 31 Hewes, Bklyn, N. Y. "Crescent"
Hubbard & Co., Pittsburgh, Pa. "Pierce"
National Lead Co., 111 Bway., New York, N. Y. "Cinch"
New Jersey Foundry & Mach. Co., 9 Park Pl., New York, N. Y.
Paine Co., Chicago, Ill.
Parker Wire Goods Co., Worcester, Mass.
Phillips Drill Co., Chicago, Ill.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Savage Expansion Bolt Corp., 9 Desbrosses, New York, N. Y.
Star Expansion Bolt Co., 147 Cedar, New York, N. Y. "Loxin," "Sebco," "Tampin"
Steward & Romaine Mfg. Co., Phila., Pa.
Stop-Plug Co., Inc., Chicago, Ill.
Turner-Warner Screw Co., Kansas City, Mo.
United Screw & Bolt Corp., Cleveland, O. "Ajax"
U. S. Expansion Bolt Co., 75 Varick, New York, N. Y. "Closed Back," "Double," "Forway," "Rytway," "U. S. E."

BOLTS, Extension

Barrows Lock Works of Yale & Towne Mfg. Co., Lockport, Ill.
Corbin, P. & F., New Britain, Conn.
Ives (H. B.) Co., New Haven, Conn.
Lockwood Mfg. Co., Fitchburg, Mass.
Sager Lock Works of Yale & Towne Mfg. Co., North Chicago, Ill.
Stanley Wks., New Britain, Conn.
Yale & Towne Mfg. Co., Stamford, Conn.

BOLTS, Eye

American Chain Co., Inc., Bridgeport, Conn.
Armstrong Bros. Tool Co., Chicago, Ill.
Billings & Spencer Co., Hartford, Conn.
Bridgeport Chain & Mfg. Co., Bridgeport, Conn.
Brooks (M. S.) & Sons, Chester, Conn.
Chain Products Co., 3290 Cooper Av., Cleveland, O.
Clark Bros. Bolt Co., Noble Road, Milldale, Conn.
Columbus Bolt Wks. Co., Columbus, O.
Harper (H. M.) Co., Chicago, Ill.
Hess (Chas.) Co., 49-14 Metropolitan Av., Bklyn., N. Y.
Keystone Forging Co., Northumberland, Pa.
Lakeside Forge Co., Erie, Pa.
Lamson & Sessions Co., Cleveland, O.
Larson, Chas. O., Sterling, Ill.
Laughlin (Thos.) Co., 199 Fore, Portland, Me.
Maine Steel Products Co., South Portland, Me. "Mheco"
Merrill Bros., Maspeth, N. Y.
Newhall Chain, Forge & Iron Co., 48 W. B'way, New York, N. Y.
Oliver Iron & Steel Co., Pittsburgh, Pa.
Parker Metal Goods Co., Worcester, Mass.
Parker Wire Goods Co., Worcester, Mass.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
St. Louis Screw & Bolt Co., St. Louis, Mo.
Sargent & Co., New Haven, Conn.
Turner-Warner Screw Co., Kansas City, Mo.
Washburn Company, Worcester, Mass.
Wilcox, Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.
Williams (J. H.) & Co., Buffalo, N. Y. "Vulcan"
Wrought Hdw. & Forging Co., Phila., Pa.

BOLTS, Fire Exit—See Bolts, Door, Panic

BOLTS, Foot—See Bolts, Door and Window

BOLTS, Galvanized

American Equipment Co., Norristown, Pa.
Ames (W.) & Co., 417 Communipaw Av., Jersey City, N. J.
Atlas Bolt & Screw Co., Cleveland, O.
Bethlehem Steel Co., Bethlehem, Pa.
Buffalo Bolt Co., North Tonawanda, N. Y.
Clark Bros. Bolt Co., Milldale, Conn.
Gary Screw & Bolt Co., Chicago, Ill.
Harrison Bolt & Nut Co. (Harrison), Newark, N. J.
Hubbard & Co., Pittsburgh, Pa.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Lamson & Sessions Co., Cleveland, O.
Line Material Co., South Milwaukee, Wis.
Merrill Bros., Maspeth, N. Y.
Moran Bolt & Nut Mfg. Co., St. Louis, Mo.
Neeley Nut & Bolt Co., Pittsburgh, Pa.
Oliver Iron & Steel Co., Pittsburgh, Pa.
Pittsburgh Screw & Bolt Co., Pittsburgh, Pa.
Rockford Bolt Co., Rockford, Ill.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y. "Empire"
St. Louis Screw & Bolt Co., St. Louis, Mo.
Turner-Warner Screw Co., Kansas City, Mo.

BOLTS, Hanger

Ankyra Mfg. Co., Phila., Pa.
Atlas Bolt & Screw Co., Cleveland, O.
Barrett Sales Co., Chicago, Ill.
Bethlehem Steel Co., Bethlehem, Pa.
Boss Bolt & Nut Co., Chicago, Ill.
Champion Mfg. Co., Chicago, Ill.
Clark Bros. Bolt Co., Noble Road, Milldale, Conn.
Continental Screw Co., New Bedford, Mass.
Corbin Screw Corp., New Britain, Conn.
Everitt Co., Boston, Mass.
Gary Screw & Bolt Co., Chicago, Ill.
Hubbard & Co., Pittsburgh, Pa.
Keystone Friction Hinge Co., Williamsport, Pa.
Lamson & Sessions Co., Cleveland, O.

BOLTS, Hanger (Continued)

Laughlin (Thos.) Co., Portland, Me.
Moran Bolt & Nut Mfg. Co., St. Louis, Mo.
National Lock Co., Rockford, Ill.
National Marine Lamp Co., Forrestville, Conn.
National Screw & Mfg. Co., Cleveland, O.
Oliver Iron & Steel Co., Pittsburgh, Pa.
Paine Co., Chicago, Ill.
Pawtucket Mfg. Co. Pawtucket, R. I.
Pittsburgh Screw & Bolt Co., Pittsburgh, Pa.
Portland Bolt & Mfg. Co., Portland, Ore.
Reed & Prince Mfg. Co., Worcester, Mass.
Republic Steel Corp., Upson Nut Div., Cleveland, O. "Upson"
Rockford Bolt Co., Rockford, Ill.
St. Louis Screw & Bolt Co., St. Louis, Mo.
Standard Nut & Bolt Co., Valley Falls, R. I.
Turner-Warner Screw Co., Kansas City, Mo.
Wilcox-Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.

BOLTS, Hook and Eye

Atlas Bolt & Screw Co., Cleveland, O.
Bethlehem Steel Co., Bethlehem, Pa.
Billings & Spencer Co., Hartford, Conn.
Bonney Forge & Tool Wks., Allentown, Pa.
Boss Bolt & Nut Co., Chicago, Ill.
Clark Bros. Bolt Co., Noble Road, Milldale, Conn.
Cleveland City Forge & Iron Co., Lakeside Av. & E. 45th, Cleveland, O.
Continental Screw Co.. New Bedford, Mass.
Frantz Mfg. Co., Sterling, Ill.
Gary Screw & Bolt Co., Chicago, Ill.
Harrison Bolt & Nut Co., (Harrison), Newark, N. J.
Haskell (Wm. H.) Mfg. Co., Pawtucket, R. I.
Hess (Chas.) Co., 49-14 Metropolitan Av., Bklyn, N.Y.
Hubbard & Co., Pittsburgh, Pa.
Jenckes (E.) Mfg. Co., Worcester, Mass.
Lakeside Forge Co., Erie, Pa.
Lamson & Sessions Co., Cleveland, O.
Laughlin (Thos.) Co., 199 Fore, Portland, Me.
Line Material Co., South Milwaukee,, Wis.
Maine Steel Products Co., South Portland, Me. "Mheco"
Merrill Bros., Maspeth, N. Y.
Moran Bolt & Nut Mfg. Co., St. Louis, Mo.
New England Bolt Co., Everett, Mass.
Oliver Iron & Steel Co., Pittsburgh, Pa.
Parker Wire Goods Co., Worcester, Mass.
Pawtucket Mfg. Co., Pawtucket, R. I.
Pittsburgh Rivet Co., Pittsburgh, Pa.
Pittsburgh Screw & Bolt Co., Pittsburgh, Pa.
Republic Steel Co., Upson Nut Div., Cleveland, O. "Upson"
Rhode Island Tool Co., Providence, R. I.
Rockford Bolt Co., Rockford, Ill.
St. Louis Screw & Bolt Co., St. Louis, Mo.
Scranton Bolt & Nut Co., Scranton, Pa.
Slaymaker Lock Co., Lancaster, Pa.
Steward & Romaine Mfg. Co., Phila., Pa.
Turner-Warner Screw Co., Kansas City, Mo.
Wickwire Spencer Steel Co., Inc., 41 E. 42nd, New York, N. Y.
Wilcox-Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.
Wilcox (D.) Mfg. Co., Mechanicsburg. Pa.

BOLTS, Hook Head

Ames (W.) & Co., 417 Communipaw Av., Jersey City, N. J.
Berry Bros., Columbus, O.
Bethlehem Steel Co., Bethlehem, Pa.
Harrison Bolt & Nut Co., (Harrison), Newark, N. J.
Haskell (Wm. H.) Mfg. Co., Pawtucket, R. I.
Hess (Chas.) Co., 49-14 Metropolitan Av., Bklyn., N. Y.
Lamson & Sessions Co., Cleveland, O.
Line Material Co., South Milwaukee, Wis.
Marine Hdw. Equipment Co., South Portland, Me.
Maryland Bolt & Nut Co., Baltimore, Md.
Pittsburgh Rivet Co., Pittsburgh, Pa.
Pittsburg Screw & Bolt Co., Pittsburgh, Pa.
Rockford Bolt Co., Rockford, Ill.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y. "Empire"
St. Louis Screw & Bolt Co., St. Louis, Mo.
Scranton Bolt & Nut Co., Scranton, Pa.
Turner-Warner Screw Co., Kansas City., Mo.

BOLTS, Indicator
(See also Hardware, Lavatory)

Barrows Lock Wks. of Yale & Towne Mfg. Co., Lockport, Ill.
Bommer Spring Hinge Co., 263 Classon Av., Bklyn., N. Y.
Chicago Spring Hinge Co. Chicago, Ill.
Corbin, (P. & F.), New Britain, Conn.
Russwin & Erwin Mfg. Co., New Britain, Conn.
Sager Lock Wks. of Yale & Towne Mfg. Co., No. Chicago, Ill.
Sargent & Co., New Haven, Conn.
Yale & Towne Mfg. Co., Stamford, Conn.

BOLTS, King

Bethlehem Steel Co., Bethlehem, Pa.
Bonney Forge & Tool Wks., Allentown, Pa.
Clapp (E. D.) Mfg. Co., Auburn, N. Y.
Ferry Cap & Set Screw Co., Cleveland, O.
Fostoria Screw Co., Fostoria, O.
Harrison Bolt & Nut Co. (Harrison), Newark, N. J.
Harvey Spring & Forging Co., Racine, Wis.
Oliver Iron & Steel Co., Pittsburgh, Pa.
Pollak Steel Co. (Carthage), Cincinnati, O.
Whitehouse (E. A.) Mfg. Co., 44 Elm, Newark, N. J.

BOLTS, Lag and Skein

Atlas Bolt & Screw Co., Cleveland, O.
Bayonne Bolt & Nut Corp., Bayonne, N. J.
Bethlehem Steel Co., Bethlehem, Pa.
Boss Bolt & Nut Co., Chicago, Ill.
Clark Bros. Bolt Co., Milldale, Conn.
Colebrookdale Iron Co., Boyertown, Pa.
Columbus Bolt Wks. Co., Columbus, O.
Haskell (Wm. H.) Mfg. Co., Pawtucket, R. I.
Lamson & Sessions Co., Cleveland, O.
Milton Mfg. Co., Milton, Pa.
National Screw & Mfg. Co., Cleveland, O.
Neely Nut & Bolt Co., Pittsburgh, Pa.
Oliver Iron & Steel Co., Pittsburgh, Pa.
Republic Steel Corp., Upson Nut Div., Cleveland, O. "Upson"
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
Ryerson (Jos. T.) & Son., Inc., Chicago, Ill.
Turner-Warner Screw Co., Kansas City, Mo.

BOLTS, Machine

American Bolt Co., Birmingham, Ala.
American Equipment Co., Norristown, Pa.
Ames (W.) & Co., 417 Communipaw Av., Jersey City, N. J.
Armstrong & Parker, Baltimore, Md.
Atlas Bolt & Screw Co., Cleveland, O.
Ballard Drop Forge Co., Seattle, Wash.
Bassett (D. M.) Bolt Wks., Shelton, Conn.
Bayonne Bolt & Nut Corp., Bayonne, N. J.
Berry Bros., Columbus, O.
Bethlehem Steel Co., Bethlehem, Pa. "American"
Boss Bolt & Nut Co., Chicago, Ill.
Buffalo Bolt Co., North Tonawanda, N. Y.
Clark Bros. Bolt Co., Noble Rd., Milldale, Conn.
Colorado Fuel & Iron Co., Denver, Colo.
Columbia Nut & Bolt Co., Bridgeport, Conn.
Columbus Bolt Wks. Co., Columbus, O.
Everitt Co., Boston, Mass.
Ferry Cap & Set Screw Co., Cleveland, O.
Gary Screw & Bolt Co., Chicago, Ill.
Harrison Bolt & Nut Co., (Harrison), Newark, N. J.
Haskell (Wm. H.) Mfg. Co., Pawtucket, R. I.
Hubbard & Co., Pittsburgh, Pa.
Jeffrey Mfg. Co., Columbus, O.
Lamson & Sessions Co., Cleveland, O.
Lebanon Iron Co., Phila., Pa.
Line Material Co., South Milwaukee, Wis.
Lorain Steel Co., Johnstown, Pa.
Maryland Bolt & Nut Co., Baltimore, Md.
Merrill Bros., Maspeth, N. Y.
Milton Mfg. Co., Milton, Pa.
Moran Bolt & Nut Mfg. Co., St. Louis, Mo.
National Bolt & Nut Co., Pittsburgh, Pa.
Neely Nut & Bolt Co., Pittsburgh, Pa. "Nubolt"
New England Bolt Co., Everett, Mass.
Ohio Nut & Bolt Co., Berea, O.
Old Dominion Iron & Steel Corp., Richmond, Va.
Oliver Iron & Steel Co., Pittsburgh, Pa.
Paine Co., Chicago, Ill.
Pawtucket Mfg. Co., Pawtucket, R. I.
Pheoll Mfg. Co., Chicago, Ill.
Pittsburgh Forge & Iron Co., Pittsburgh, Pa.
Pittsburgh Rivet Co., Pittsburgh, Pa.
Pittsburgh Screw & Bolt Co., Pittsburgh, Pa.
Pottsville Bolt Co., Pottsville, Pa.
Republic Steel Co., Upson Nut Div., Cleveland, O. "Upson"
Rhode Island Tool Co., Providence, R. I.
Rockford Bolt Co., Rockford, Ill.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y. "Empire"
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
St. Louis Screw & Bolt Co., St. Louis, Mo.
Scranton Bolt & Nut Co., Scranton, Pa.
Smith (Thos.) Co., Worcester, Mass.
Southern California Iron & Steel Co., Los Angeles, Cal.
Standard Bolt Co., Columbus, O.
Turner-Warner Screw Co., Kansas City, Mo.
Wilcox-Crittenden Co., Inc., 77 S. Main, Middletown, Conn.

BOLTS, Monel

Atlas Bolt & Screw Co., Cleveland, O.

BOLTS, Panic—See Bolts, Door, Panic

BOLTS, Plow

Atlas Bolt & Screw Co., Cleveland, O.
Bethlehem Steel Co., Bethlehem, Pa.
Bonney Forge & Tool Wks., Allentown, Pa.
Clark Bros. Bolt Co., Noble Rd., Milldale, Conn.
Columbus Bolt Wks. Co., Columbus, O.
Corbin Screw Corp., New Britain, Conn.
Gary Screw & Bolt Co., Chicago, Ill.
Harrison Bolt & Nut Co., Harrison, N. J.
Haskell (Wm. H.) Mfg. Co., Pawtucket, R. I.
Lamson & Sessions Co., Cleveland, O.
Moran Bolt & Nut Mfg. Co., St. Louis, Mo.
National Screw & Mfg. Co., Cleveland, O.
Oliver Iron & Steel Co., Pittsburgh, Pa.
Pawtucket Mfg. Co., Pawtucket, R. I.
Republic Steel Corp., Upson Nut Div., Cleveland, O. "Upson"
Rockford Bolt Co., Rockford, Ill.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y. "Empire"
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Standard Bolt Co., Columbus, O.
Turner-Warner Screw Co., Kansas City, Mo.

BOLTS, Ring

Harrison Bolt & Nut Co., (Harrison), Newark, N. J.
Harvey Spring & Forging Co., Racine, Wis.
Hess (Chas.) Co., 49-14 Metropolitan Av., Bklyn, N.Y.
Laughlin (Thos.) Co., Portland, Me.
Livingston Co., Rockland, Me.
Marine Hdw. Equipment Co., South Portland, Me.
Steel Products Co., Clarkwood Av., Cleveland, O.
Turner-Warner Screw Co., Kansas City, Mo.
Union Forging Co., Union, N. Y.
Washburn Company, Worcester, Mass.
Wilcox-Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.
Wrought Hdw. & Forging Co., Philadelphia, Pa.

BOLTS, Safety, Window Cleaners'

Ackman, Inc., 48 W. 25th, New York, N. Y.

BOLTS, Shackle

Allied Products Corp. (Victor Peninsular Div.), Detroit, Mich.
Bard Mfg. Co., Royersford, Pa.
Blakeslee Forging Co., Plantsville, Conn.
Bowen Products Corp., Auburn Div., Auburn, N. Y.
Brown Co., Syracuse, N. Y.
Buffalo Bolt Co., North Tonawanda, N. Y.
Clark Bros. Bolt Co., Noble Road, Milldale, Conn.
Columbus Bolt Wks. Co., Columbus, O.
Ferry Cap & Set Screw Co., Cleveland, O.
Fostoria Screw Co., Fostoria, O.
Harrison Bolt & Nut Co., (Harrison), Newark, N. J.
Haydon (A. & M.), Phila., Pa. "Eagle"
Lamson & Sessions Co., Cleveland, O.
Marine Hdw. Equipment Co., South Portland, Me.
Moore-Franklin Co., Winsted, Conn.
National Screw & Mfg. Co., Cleveland, O.
Republic Steel Corp.. Upson Nut Div., Cleveland, O. "Upson"
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y. "Empire"
Spafford Mach. Screw Wks., Hartford, Conn.
Standard Turnbuckle Co., Corry, Pa.
Steel Products Co., Clarkwood Av., Cleveland, O.
Turner-Warner Screw Co., Kansas City, Mo.
Western Automatic Mach. Screw Co., Elyria, O.
Whitehouse (E. A.) Mfg. Co., 44 Elm, Newark, N. J.
Wilcox-Crittenden Co., Inc., 77 S. Main, Middletown, Conn.

BOLTS, Shutter

Hess (Chas.) Co., 49-14 Metropolitan Av.. Bklyn., N. Y.
Stanley Wks., New Britain, Conn.

BOLTS, Sink

American Screw Co., Providence, R. I.
Ankyra Mfg. Co., Phila., Pa.
Atlas Bolt & Screw Co., Cleveland, O.
Berry Bros., Columbus, O.
Bignall Co., Medina, N. Y.
Clark Bros. Bolt Co., Noble Road, Milldale, Conn.
Continental Screw Co., New Bedford, Mass. "Holtite"
Corbin Screw Corp., New Britain, Conn.
Eagle Lock Co., Terryville, Conn.
Everitt Co., Boston, Mass.
Lamson & Sessions Co., Cleveland, O.
New England Bolt Co., Everett, Mass.
Ohio Nut & Bolt Co., Berea, O.
Pheoll Mfg. Co., Chicago, Ill.
Reed & Prince Mfg. Co., Worcester, Mass.
Republic Steel Corp., Upson Nut Div., Cleveland, O "Upson"
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y. "Empire"
Turner-Warner Screw Co., Kansas City, Mo.

BOLTS, Socket—See Bolts, Ring

BOLTS, Stove and Tire

American Equipment Co., Norristown, Pa.
American Screw Co., Providence, R. I. "Bay State." "Eagle Philadelphia"
Atlas Bolt & Screw Co., Cleveland, O.
Berry Bros., Columbus, O.
Bethlehem Steel Co., Bethlehem, Pa. "American"
Champion Mfg. Co., Chicago, Ill.
Clark Bros. Bolt Co., Noble Rd., Milldale, Conn.
Columbus Bolt Wks. Co., Columbus, O.
Continental Screw Co., New Bedford, Mass. "Holtite"
Corbin Screw Corp., New Britain, Conn.
Gary Screw & Bolt Co., Chicago, Ill.
Harrison Bolt & Nut Co., (Harrison), Newark, N. J.
Haydon, A. & M., Phila., Pa.
Heiz & Heiz, Bush Terminal Bldg., Bklyn., N. Y. "H-H"
Lamson & Sessions Co., Cleveland, O.
Moran Bolt & Nut Mfg. Co., St. Louis, Mo.

BOLTS, Stove and Tire (Continued)

National Lock Co., Rockford, Ill.
National Screw & Mfg. Co., Cleveland, O.
New England Bolt Co., Everett, Mass.
Ohio Nut & Bolt Co., Berea, O. (Stove)
Paine Co., Chicago, Ill.
Pheoll Mfg. Co., Chicago, Ill.
Reading Screw Co., Norristown, Pa.
Reed & Prince Mfg. Co., Worcester, Mass.
Republic Steel Corp., Upson Nut Div., Cleveland, O. "Upson"
Rockford Bolt Co., Rockford, Ill.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y. "Empire"
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
St. Louis Screw & Bolt Co., St. Louis, Mo.
Turner-Warner Screw Co., Kansas City, Mo.
United Screw & Bolt Corp., Cleveland, O.
Western Screw Mfg. Co., Chicago, Ill.

BOLTS, Stud

Bethlehem Steel Co., Bethlehem, Pa.
Boss Bolt & Nut Co., Chicago, Ill.
Buffalo Bolt Co., North Tonawanda, N. Y.
Chicago Screw Co., Homan Av., Chicago, Ill.
Clark Bros. Bolt Co., Noble Road, Milldale, Conn.
Everitt Co., Boston, Mass. (Brass and Bronze)
Federal Screw Wks., Detroit, Mich.
Ferry Cap & Set Screw Co., Cleveland, O.
Gary Screw & Bolt Co., Chicago, Ill.
Harrison Bolt & Nut Co., (Harrison), Newark, N. J.
Haskell (Wm. H.) Mfg. Co., Pawtucket, R. I.
Lamson & Sessions Co., Cleveland, O.
Maryland Bolt & Nut Co., Baltimore, Md.
Milton Mfg. Co., Milton, Pa.
Moran Bolt & Nut Mfg. Co., St. Louis, Mo.
National Acme Mfg. Co., Cleveland, O.
Neely Nut & Bolt Co., Pittsburgh, Pa.
New England Bolt Co., Everett, Mass.
Oliver Iron & Steel Corp., Pittsburgh, Pa.
Pawtucket Mfg. Co., Pawtucket, R. I.
Pittsburgh Screw & Bolt Co., Pittsburgh. Pa.
Republic Steel Co., Upson Nut Div., Cleveland O. "Upson"
Rhode Island Tool Co., Providence, R. I.
Rockford Bolt Co., Rockford, Ill.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y. "Empire"
Ryerson (Jos. T.) & Son. Inc., Chicago, Ill.
St. Louis Screw & Bolt Co., St. Louis, Mo.
Scranton Bolt & Nut Co., Scranton, Pa.
Smith (Thos.) Co., Worcester, Mass.
Standard Bolt Co., Columbus, O.
Standard Turnbuckle Co., Corry, Pa.
Steel Products Co., Clarkwood Av., Cleveland, O.
Townsend Co., New Brighton, Pa.
Turner-Warner Screw Co., Kansas City, Mo.
Western Automatic Mach. Screw Co., Elyria, O.

BOLTS, Tap

Atlas Bolt & Screw Co., Cleveland, O.
Bethlehem Steel Co., Bethlehem, Pa.
Boss Bolt & Nut Co., Chicago, Ill.
Buffalo Bolt Co., North Tonawanda, N. Y.
Clark Bros. Bolt Co., Noble Road, Milldale, Conn.
Gary Screw & Bolt Co., Chicago, Ill.
Harrison Bolt & Nut Co., (Harrison), Newark, N. J.
Haskell (Wm. H.) Mfg. Co., Pawtucket, R. I.
Lamson & Sessions Co., Cleveland, O.
Maryland Bolt & Nut Co., Baltimore, Md.
Milton Mfg. Co., Milton, Pa.
Moran Bolt & Nut Mfg. Co., St. Louis, Mo.
New England Bolt Co., Everett, Mass.
Oliver Iron & Steel Co., Pittsburgh, Pa.
Pawtucket Mfg. Co., Pawtucket, R. I.
Pittsburgh Screw & Bolt Co., Pittsburgh. Pa.
Republic Steel Co., Upson Nut Div., Cleveland, O. "Upson"
Rhode Island Tool Co., Providence, R. I.
Rockford Bolt Co., Rockford, Ill.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
St. Louis Screw & Bolt Co., St. Louis, Mo.
Scranton Bolt & Nut Co., Scranton, Pa.
Smith (Thos.) Co., Worcester, Mass.
Turner-Warner Screw Co., Kansas City, Mo.
United Screw & Bolt Corp., Cleveland, O.
Western Automatic Mach. Screw Co., Elyria, O.

BOLTS, Tire—See Bolts, Stove and Tire

BOLTS, Toggle

Barrett Sales Co., Chicago, Ill. "Universal"
Bethlehem Steel Co., Bethlehem, Pa.
Chain Products Co., 3290 Cooper Av., Cleveland, O.
Chicago Expansion Bolt Co., Chicago, Ill.
Church (Isaac) Expansion Bolt Co., East Norwalk, Conn.
Diamond Expansion Bolt Co., 48 W. Broadway, New York, N. Y.
Grabler Mfg. Co., Cleveland, O.
Harrison Bolt & Nut Co., (Harrison), Newark, N. J.
National Metal Molding Co., Pittsburgh, Pa.
Paine Co., Chicago, Ill.
Star Expansion Bolt Co., 147 Cedar, New York, N. Y. "Sebco," "Springin"
Steward & Romaine Mfg. Co., Phila., Pa.
Turner-Warner Screw Co., Kansas City, Mo.
United Screw & Bolt Corp., Cleveland, O. "Ajax"
U. S. Expansion Bolt Co., 75 Varick, New York, N. Y. "Regular," "Spring," "U. S. E."
Wrigley (Thos.) Co., Chicago, Ill.

BOLTS, "U"

Ames (W.) & Co., 417 Communipaw Av., Jersey City, N. J.
Atlas Bolt & Screw Co., Cleveland, O.
Clark Bros. Bolt Co., Noble Road, Milldale, Conn.
Harrison Bolt & Nut Co., (Harrison), Newark, N. J.
Hess (Chas.) Co., 48-14 Metropolitan Av., Bklyn, N.Y.
Jeffrey Mfg. Co., Columbus, O.
Lake Erie Bolt & Nut Co., Cleveland, O.
Lamson & Sessions Co., Cleveland, O.
Larson, (Chas. O.), Sterling, Ill.
Line Material Co., South Milwaukee, Wis.
Merrill Bros., Maspeth, N. Y.
Moran Bolt & Nut Mfg. Co., St. Louis, Mo.
Neely Nut & Bolt Co., Pittsburgh, Pa.
Ohio Nut & Bolt Co., Berea, O.
Parker Wire Goods Co., Worcester, Mass.
Pittsburgh Rivet Co., Pittsburgh, Pa.
Republic Steel Corp., Upson Nut Div., Cleveland, O. "Upson"
Rockford Bolt Co., Rockford, Ill.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
St. Louis Screw Co., St. Louis, Mo.
Standard Turnbuckle Co., Corry, Pa.
Trainor National Spring Co., New Castle, Ind.
Turner-Warner Screw Co., Kansas City, Mo.

BOLTS, Wheel, Automobile

Atlas Bolt & Screw Co., Cleveland, O.
Clark Bros. Bolt Co., Milldale, Conn.
Lamson & Sessions Co., Cleveland, O.
Russell, Bursdall & Ward Bolt & Nut Co., Port Chester, N. Y. "Empire"

BOLTS, Whiffle Tree

Atwater Mfg. Co., Plantsville, Conn.
Columbus Bolt Wks. Co., Columbus, O.
Corbin Screw Corp., New Britain, Conn.
Eagle Bolt & Forging Co., Cleveland, O.
Harrison Bolt & Nut Co., (Harrison), Newark, N. J.
Lamson & Sessions Co., Cleveland, O.
Marine Hdw. Equipment Co., South Portland, Me.
Moore-Franklin Co., Winsted, Conn.
Republic Steel Corp., Upson Nut Div,, Cleveland, O. "Upson"
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y. "Empire"
Turner-Warner Screw Co., Kansas City, Mo.

BOLTS, Window—See Bolts, Door and Window

BOLTS, WINDOW CLEANERS', SAFETY — See Bolts, Safety, Window Cleaners

BONDS, Brick—See Ties, Wall

BONE CUTTERS—See Cutters, Bone

BONE GRINDING MILLS—See Mills, Bone Grinding

BOOKCASE ADJUSTABLE BRACKETS — See Brackets, Bookcase, Adjustable

BOOKS, Children's, Cloth, Paint, Picture, Rhyme, Etc.

Altemus (Henry) Co., Phila., Pa.
American Colortype Co., Chicago, Ill.
Cannon (Florence V.) Co., Camden, N. J.
Donohue (M. A.) & Co., Chicago, Ill.
Gabriel (Saml.) Sons & Co., 76 Fifth Av., New York, N. Y.
Goldsmith Publishing Co., N. W., Cleveland, O.
Graham (Chas. E.) & Co., 21 Division, Newark, N. J. "Uncle Wiggily"
Harper & Bros., 49 E. 33d, New York, N. Y.
Ideal Book Builders, Chicago, Ill.
Jacobs (Geo. W.) & Co., Phila., Pa.
Leavens (E. M.) Co., Rochester, N. Y.
Platt & Munk Co., Inc., 200 Fifth Av., New York, N. Y.
Reilly & Lee Co., Chicago, Ill.
Saalfield Publishing Co., Akron, O.
Stanton & Van Vliet, Chicago, Ill.
Stokes (Frederick A.) Co., 443 4th Av., New York, N. Y.
Stoll & Edwards Co., Inc., 426 4th Av., New York, N. Y.
Tuck (Raphael) & Sons Co., 200 5th Av., New York, N. Y.
Westbrook (Arthur) Co., Cleveland, O.
Whitman Publishing Co., Racine, Wis.

BOOKS, Fly

Aluminum Goods Mfg. Co., Manitowoc, Wis.
Chubb (T. H.) Rod Co., Post Mills, Vt.
Horrocks-Ibbotson Co., Dept. S, Utica, N. Y.
Klinger & Langbein Co., Phila., Pa.
Mills (Wm.) & Son, 21 Park Place, New York, N. Y.
Sanford Novelty Co., Sanford, Me.
South Bend Bait Co., South Bend, Ind.
Young, Carlos G., San Francisco, Cal.

BOOKS and CARDS, Price—See Cards and Books, Price

BOOT AND SHOE CALKS—See Calks, Boot and Shoe

BOOTS, FISHERMEN'S—See Waders, Fishermen's

BORDERS, Flower Bed

Brown (H. L.) Fence & Mfg. Co., Cincinnati, O. "Norwood"
Continental Steel Corp., Kokomo, Ind. "Pioneer Kokomo"
Cyclone Fence Co., Waukegan, Ill. "Perfection," "Red Tag"
Indiana Steel & Wire Co., Muncie, Ind. "Imperial"
Mid-States Steel & Wire Co., Crawfordsville, Ind.
Page Steel & Wire Co., Monessen, Pa.
Peerless Wire Fence Co., Adrian, Mich.
Robertson (W. F.) Steel & Iron Co., Cincinnati, O. "Norwood"
Wickwire Spencer Steel Co., Inc., 41 E. 42nd, New York, N. Y.

BORDERS, Wire—See Borders, Flower Bed

BORERS, Bung Hole

Oram (John S.) Co., Cleveland, O.
Redlich Mfg. Co., Chicago, Ill.
Swan (Jas.) Co., Seymour, Conn.
United States Bung Mfg. Co., 50 S. 2d, B'klyn, N. Y. "Kirby"

BORERS, Joist

Greenlee Tool Co., Rockford, Ill.

BORING MACHINES, Hand—See Machines, Boring, Hand

BOTTLE BRUSHES—See Brushes, Bottle

BOTTLE CAPPERS—See Cappers, Bottle

BOTTLE CAPPING MACHINES—See Capping Machines

BOTTLE CAPS—See Caps, Bottle

BOTTLE CARRIERS—See Carriers, Bottle

BOTTLE HOLDERS, Milk—See Holders, Milk Bottle

BOTTLE OPENERS—See Openers, Bottle

BOTTLE STOPPERS—Stoppers, Bottle; also Caps, Bottle

BOTTLES, Hot Water, Metal

Aluminum Goods Mfg. Co., Manitowoc, Wis. "Viko"
Landers, Frary & Clark, New Britain, Conn. "Universal"
Western Stoneware Co., Monmouth, Ill. (Stone)

BOTTLES, Refrigerator

Hemingray Glass Co., Muncie, Ind.

BOTTLES, Vacuum
(See also Jars, Vacuum)

Aladdin Industries, Inc., Chicago, Ill. "Aladdin Thermalware," "San-Seald"
American Thermos Bottle Co., 366 Madison Av., New York, N. Y. "Icy-Hot," "Keapsit," "Thermos"
Handy-Andy Specialty Co., Inc., 39-40 22d, Long Island City, N. Y.
Landers, Frary & Clark, New Britain, Conn. "Stanley," "Universal"
Lorenzen Bros. Mfg. Co., Marshalltown, Ia.
Manning, Bowman & Co., Meriden, Conn. "Hotakold"
Mantle Lamp Co. of America, Chicago, Ill.
Miller (Geo. B.) & Son Co., Waterloo, Ia. "Bluebird"
National Mfg. Co., Des Moines, Ia.
Royal Mfg. Co., Toledo, O. "Buddy," "Economy," "Ideal Picnic," "Peerless," "Thermic"
Simplex Vacuum Mfg. Co., Phila., Pa.
Therm-a-Jug Co. of America, Webster City, Ia.
Vacuum Specialty Co., Meriden, Conn.

BOTTOMING TAPS—See Taps, Machinist's, Hand

BOW & ARROW SETS—See Sets, Archery, Toy

BOWL STRAINERS—See Strainers, Jelly

BOWLING BALL BAGS—See Bags, Bowling Ball

BOWLING BALLS—See Balls, Bowling

BOWLING CHALK—See Chalk, Bowling

BOWLING GAMES, Toy—See Games, Bowling, Toy

BOWLS—See Ware, Aluminum; also Ware, Enameled; also Ware, Glass

BOWLS, Chopping—See Bowls, Wooden

BOWLS, Mixing
(See also Bowls, Wooden)

Aluminum & Metal Products Co., Buffalo, N. Y. "Magic"
Bellaire Enamel Co., Bellaire, O. "Beco"
Fargo Aluminum Co., Taunton, Mass.

BOWLS, Mixing (Continued)

Hocking Glass Co., Lancaster, O.
Illinois Pure Aluminum Co., Lemont, Ill. "American Maid"
Morton Pottery Co., Morton, Ill.
National Enameling & Stamping Co., Milwaukee, Wis. "Nesco"
Revere Brass & Copper Co., 230 Park Av., New York, N. Y.
United States Stamping Co., Moundsville, W. Va.
Vollrath Co., Sheboygan, Wis.
Weller Potteries, Zanesville, O.

BOWLS, Watering, Cow
(See also Troughs, Watering)

Clay Equipment Corp., Cedar Falls, Ia.
Drew Line Co., Fort Atkinson, Wis.
Franklin Equipment Co., Monticello, Ia.
Glor Bros. & Willis Mfg. Co., Attica, N. Y. "Acorn," "New Modern"
Hall Mfg. Co., Cedar Rapids, Ia.
Heller-Aller Co., Napoleon, O.
Hudson (H. D.) Mfg. Co., Chicago, Ill. "Libbey"
Ideal Barn Equipment Co., Horicon, Wis.
Iowa Gate Co., Cedar Falls, Ia. "Clay"
Libbey (C. A.) Co., Oshkosh, Wis.
Louden Mchy. Co., Fairfield, Ia. "Sanitary"
Milwaukee Hay Tool Co., Milwaukee, Wis. "Leader"
Mitchell Mfg. Co., Milwaukee, Wis.
Mullins Mfg. Co., Brillion, Wis.
Ney Mfg. Co., Canton, O.
Novelty Iron Wks., Sterling, Ill. "Sterling"
Olson Mfg. Co., Albert Lea, Minn.
Porter (J. E.) Co., Ottawa, Ill.
Quinn Wire & Iron Works, Boone, Ia. "Everlasting," "Daisy"
Rassmann (F.) Mfg. Co., Beaver Dam, Wis. "Simplex"
Ricker Mfg. Co., Rochester, N. Y. "Rochester"
Sargent, Osgood & Roundy, Randolph, Vt.
Starline, Inc., Harvard, Ill.
Swett (A. L.) Iron Works, Medina, N. Y.
West Bend Equipment Co., West Bend, Wis.
Western Steel & Iron Wks., DePere, Wis. "Q-D"
Wisconsin Stable Equipment Co., Oconomowoc, Wis. "Cooney"

BOWLS, Wooden

Bogert & Hopper, 223 Varick, New York, N. Y.
Chopette Mfg. Co., Inc., Rochester, N. Y.
Cupples Co., St. Louis, Mo.
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Munising Woodenware Co., Cleveland, O.
Oval Wood Dish Corp., Tupper Lake, N. Y.
Parrish (J. Shepherd) Co., Chicago, Ill.
Stoware, Inc., Stowe, Vt.

BOX CHISELS—See Chisels, Box

BOX CORNERS—See Corners, Box

BOX FASTENERS—See Fasteners, Box

BOX HINGES—See Hinges, Box

BOX HOOKS—See Hooks, Cotton, Box, Hay, Etc.

BOX LOCKS—See Locks, Box

BOX OPENERS—See Openers, Crate

BOX SCRAPERS—See Scrapers, Box

BOX STRAPPING—See Straps and Strapping, Box

BOX STRAPPING TIGHTENERS—See Tighteners, Box Strapping

BOX STRAPS—See Straps and Strapping, Box

BOX TRUCKS—See Trucks, Hand

BOX WEDGES—See Wedges, Box

BOXES, Bait—See Boxes, Fishing Tackle

BOXES, Bond—See Boxes, Document

BOXES, Bread and Cake

American Can Co., 230 Park Av., New York, N. Y.
Atlas Tinware Co., 2472 3rd Av., New York, N. Y.
Bellaire Enamel Co., Bellaire, O. "Beco"
Carrollton Metal Products Co., Carrollton, O. "Cake Saver"
Elbs (Jno. G.), Rochester, N. Y. (Folding)
Home Comfort Co., St. Paul, Minn.
Kreamer (A), Inc., 307 Kent Av., B'klyn, N. Y.
Lawson (F. H.) Co., Cincinnati, O. "Lawco"
National Enameling & Stamping Co., Milwaukee, Wis. "Nesco"
Porter (C. B.) Co., Phila., Pa.
Pittsburgh Tinware Mfg. Co., Pittsburgh, Pa.
Savory, Inc., 591 Ferry, Newark, N. J.
Schlueter Mfg. Co., St. Louis, Mo. "De Luxe," "Jewell"
Stuber & Kuck Co., Peoria, Ill. "Biltrite"

BOXES, Cake—See Boxes, Bread and Cake

BOXES, Cartridge

Brauer Bros., Inc., St. Louis, Mo.
New Britain Mach. Co., New Britain, Conn.
Stratton & Terstegge Co., Inc., Mfg. Div., Louisville, Ky. "Falls City"

BOXES, Cash

Armstrong Appliance Corp., Huntington, W. Va.
Erie Art Metal Co., Erie, Pa.
Evansville Tool Wks., Inc., Evansville, Ind.
Geuder, Paeschke & Frey Co., Milwaukee, Wis.
Hamilton Metal Products Co., Hamilton, O. "Climax"
Kreamer (A.), Inc., 307 Kent Ave., B'klyn, N. Y.
Merriam Mfg. Co., Durham, Conn.
Metal Office Furniture Co., Grand Rapids, Mich.
National Enameling & Stamping Co., Milwaukee, Wis.
New Britain Mach. Co., New Britain, Conn.
Patent Novelty Co., Inc., Fulton, Ill.
Pullman Ventilator & Mfg. Co., York, Pa.
Savory, Inc., 591 Ferry, Newark, N. J.
Smith (J. O.) Mfg. Co., Middletown, Conn.
Union Steel Chest Corp., Le Roy, N. Y. "Utilco"
Walker-Turner Co., Inc., Plainfield, N. J.

BOXES, Egg
(See also Carriers, Egg)

Adams (E. F.), Petaluma, Cal.
Andrews (O. B.) Co., Chattanooga, Tenn.
Brower Mfg. Co., Quincy, Ill. "Sav-All"
Cabinet Shop, Lincoln, Neb.
Chicago Mill & Lumber Co., Chicago, Ill.
Crawford (A. O.) Co., South Weymouth, Mass.
Doane Carton Co., St. Louis, Mo.
Dyer Fruit Box Mfg. Co., Dyer, Tenn.
East End Sheet Metal Co., Cleveland, Ohio (Parcel Post)
Hoeft & Co., Inc., North Chicago, Ill. "Moe's"
International Sanitary Hover Co., St. Louis, Mo. "Perfecto"
Metal Egg Crate Co., Fredericksburg, Va.
New England Box Co., Greenfield, Mass.
Russell Box Co., Chelsea, Mass.
Sefton Mfg. Corp., Chicago, Ill.
Self-Locking Schurmann Co., Chicago, Ill. (Carton)
Smeed Box Co., Cleveland, O.

BOXES, Feed, Chick—See Feeders, Poultry, Chick

BOXES, Fishing Tackle

Abbey & Imbrie, Utica, N. Y.
Apex Mfg. Co., Inc., Syracuse, N. Y.
Armstrong Appliance Corp., Huntington, W. Va.
Dominion Electrical Mfg. Co., Minneapolis, Minn. "Cant-S-Cape"
Evansville Tool Wks., Inc., Evansville, Ind.
Hamilton Metal Products Co., Hamilton, O. "Climax"
Heddon's (Jas.) & Sons, Dowagiac, Mich.
Hilderbrandt (J. J.) Co., Logansport, Ind.
Horrocks-Ibbotson Co., Dept. S, Utica, N. Y.
Kamenstein, M., 135 Pearl, B'klyn, N. Y.
Kennedy Mfg. Co., Van Wert, O.
Knickerbocker Case Co., Chicago, Ill.
Kraft, A. C., Chicago, Ill.
Merriam Mfg. Co., Durham, Conn.
New Britain Mach. Co., New Britain, Conn.
Norwood Mfg. Co., Portland, Ore.
Outing Mfg. Co., Elkhart, Ind. "Big Ace," "Master Angler," "Midget," "Pocket Angler," "Prize Angler"
Patent Novelty Co., Inc., Fulton, Ill.
Pilliod Cabinet Co., Swanton, O.
Prentiss Wabers Products Co., Wisconsin Rapids, Wis.
Rice (T. B.) & Sons Co., Phila., Pa.
Shakespeare Co., Kalamazoo, Mich.
Stevens Tank & Tower Co., Auburn, Me.
Stratton & Terstegge Co., Inc., Mfg. Div., Louisville, Ky. "Falls City"
Union Steel Chest Corp., Le Roy, N. Y. "Utilco"
Whaling (G. E.) & Son Co., Cleveland, O.
Yarder Mfg. Co., Toledo, O.

BOXES, Flower

Brown (E. C.) Co., Rochester, N. Y.
Delaware Industries Co., Delaware, O. "Dico"
Express Body Corp., Crystal Lake, Ill.
Fiske (J. W.) Iron Wks., 78 Park Pl., New York, N. Y.
Gem Mfg. Co., Bascom, O. "K D"
Lawson (F. H.) Co., Cincinnati, O. "Lawco"
Majestic Co., Huntington, Ind.
Metal Products Corp., 49 Chestnut, Weehawken, N. J.
Powell Pressed Steel Co., Hubbard, O.
Rochester Can Co., Rochester, N. Y.
Savo Mfg. Co., Chicago, Ill.
Success Mfg. Co., Gloucester, Mass.
Wheeling Corrugating Co., Wheeling, W. Va.

BOXES, Folding—See Boxes, Paper, Folding

BOXES, Grit, Poultry

Beardsley Specialty Co., Inc., Rock Island, Ill. "Besco"
Cyclone Mfg. Co., Urbana, Ind.
Hoeft & Co., Inc., 2309 Davis, North Chicago, Ill. "Moe's"
Klein Mfg. Co., Burlington, Ia.
Klondike Incubator Co., Des Moines, Ia.
Mit-Shel Stamping Mfg. Co., Quincy, Ill.
Reliable Incubator & Brooder Co., Quincy, Ill.
Royal Mfg. Co., Toledo, O.
Sexton Can Co., Everett, Mass.
Simplicity Incubator Corp., Indianapolis, Ind.

BOXES, Ice, Automobile

Barclay Mfg. Co., Muncie, Ind.
Durham Mfg. Co., Muncie, Ind. "Duplex"
McGrew Machine Co., Lincoln, Nebr. "Lincoln Kitchenette"
North Star Specialty Mfg. Co., Minneapolis, Minn. "Re-Ly-O"
Prentiss Wabers Products Co., Wisconsin Rapids, Wis.
Wheeling Tent & Awning Co., Wheeling, W. Va.

BOXES, Knife & Fork—See Trays, Knife & Fork

BOXES, Lunch—See Hampers, Baskets and Boxes, Lunch

BOXES, Mail, Apartment

American Device Mfg. Co., Red Bud, Ill. "American" "Adjustable" (Built-In)
American Products Co., Mishawaka, Ind.
Art Brass & Plating Wks., Seattle, Wash.
Auth Electrical Specialty Co., Inc., 422 E. 53rd, New York, N. Y.
Beer, James C., Long Beach, Cal. "Eureka"
Cole Metal Products Co., 43-06 Crescent, Long Island City, N. Y.
Columbia Metal Box Co., 226 E. 144th, New York, N. Y.
Connecticut Telephone & Electric Co., Meriden, Conn. "United"
Corbin Cabinet Lock Co., New Britain, Conn.
Couch (S. H.) Co., Norfolk Downs, Mass.
Coy Mfg. Wks., Chicago, Ill.
Cross (L. P.) Mfg. Co., Gary, Ind.
Dayton Pattern & Mfg. Co., Dayton, O.
Edwards & Co., Exterior & 140th, New York, N. Y.
Helm Co., St. Louis, Mo.
Keil (Francis) & Son, 401 E. 163d, New York, N.Y. "Keilson"
Keyless Lock Co., Indianapolis, Ind.
Klix Specialty Co., Chicago, Ill.
Kolstad Mail Box Co., Duluth, Minn.
Majestic Co., Huntington, Ind.
Ne Page McKenny Co., Seattle, Wash.
Pryne & Co., Los Angeles, Cal.
Samson Electric Co., Canton, Mass.
Standard Electric Mfg. Co., Chicago, Ill.
Staples Mfg. Co., Duluth, Minn. "Kolstad Junior"
United Metal Box Co., 473 President, B'klyn, N. Y.
Universal Pressed Steel Co., Everett, Mass.
Welsch (H.) Co., El Paso, Texas.
Wilhelm (H.), 70 Frost, Brooklyn, N. Y.
Yale & Towne Mfg. Co., Stamford, Conn.

BOXES, Mail, Bungalow

Dayton Pattern & Mfg. Co., Dayton, O. "Inawall"
Northwestern Mail Box Co., St. Louis, Mo. "Thru-the-Wall"

BOXES, Mail, House

Armstrong Appliance Corp., Huntington, W. Va.
Cleveland Lock Works, Cleveland, O.
Cleveway Mfg. Co., Cleveland, O.
Colonial Hdw. Manufacturers, Chicago, Ill. "Console."
Consolidated Tool Wks., 509 Madison Av., New York, N. Y. "Pilot"
Corbin Cabinet Lock Co., New Britain, Conn.
Couch (S. H.) Co., Norfolk Downs, Mass.
Covert (H. W.) Co., 229 E. 37th, New York, N. Y.
Dayton Pattern & Mfg. Co., Dayton, O. "Inawall"
Electric Apparatus Co., Chicago, Ill.
Forest City-Walworth Run Foundries Co., Cleveland, O.
Griswold Mfg. Co., Erie, Pa.
Gray Iron Foundry Co., Reading, Pa.
Hamilton Metal Products Co., Hamilton, O. "Climax"
Helm Co., St. Louis, Mo.
Kolstad Mail Box Co., Duluth, Minn.
Lovell (F. H.) & Co., Arlington, N. J.
McKinney Mfg. Co., Pittsburgh, Pa.
Michigan Metal Products Co., Battle Creek, Mich. "Storm Proof"
Nicol & Co., Chicago, Ill.
Northwestern Mail Box Co., St. Louis, Mo. "Carrier's Friend," "Economy," "Letter Perfect"
Norton Mfg. Co., Phila., Pa.
Outing Mfg. Co., Elkhart, Ind.
Patent Novelty Co., Inc., Fulton, Ill. "Fulton," "Imperial Mailtainer," "Tudor Mailtainer"
Penn-Grey Mfg. Co., St. Paul, Min. "Mail-O-Box"
Phoenix Hdw. Mfg. Co., Buffalo, N. Y.
Presteel Co., Crafton, O.
Puritan Specialty Co., Chicago, Ill.
Reading Hdw. Co., Reading, Pa.
Samson Electric Co., Canton, Mass.
Steel Stamping Co., Lorain, O.
Stewart Iron Wks. Co., Inc., 814 Stewart Block, Cincinnati, O.
Treasure Chest, Asheville, N. C. "Tavern," "Village"
Yearke Metal Products Co., Buffalo, N. Y.

BOXES, Mail, Rural

Adams Co., Dubuque, Ia.
American Sheet Metal Wks., New Orleans, La.
Beise Mfg. Co., Pine Island, Minn.
Cincinnati Pump Mfg. Co., Cincinnati, O. "Boss"
Coulston Brundage & Co., La Harpe, Ill.

BOXES, Mail, Rural (Continued)

Deshler Mail Box Co., Deshler O. "No. 1"
Hessler (H. E.) Co., Syracuse, N. Y.
Hopson (W. C.) Co., Grand Rapids, Mich. "Standard"
Kentucky Stamping Co., Louisville, Ky.
Madewell Mfg. Co., Oakland, Cal.
Northwest Metal Products, Inc., Seattle, Wash.
Northwestern Mail Box Co., St. Louis, Mo. "Carrier's Friend"
Phillips & Buttorff Mfg. Co., Nashville, Tenn.
Rochester Can Co., Rochester, N. Y. "Iron Horse"
Schmid Bros., Lancaster, Pa.
Superior Churn & Mfg. Co., Northville, Mich. "Storm Proof"
Superior Stamping Co., Cincinnati, Ohio.
Western Steel Products Co., Duluth, Minn.

BOXES, Match

Handy Things Mfg. Co., Ludington, Mich.
Marble Arms & Mfg. Co., Gladstone, Mich.
Newton Mfg. Co., Newton, Ia.
Patent Novelty Co., Inc., Fulton, Ill. "Fulton," "Polly Prim"

BOXES, Mitre

Alaska Freezer Co., Winchendon, Mass. "Gem"
Atkins (E. C.) & Co., Indianapolis, Ind.
Economy Mfg. Co., Phila., Pa.
Manumotors Co., Manitowoc, Wis. "Kawalle"
Mayhew Steel Products, Inc., Shelburne Falls, Mass.
Millers Falls-Goodell Pratt Co., Greenfield, Mass. "All-Steel," "Greenfield," "Langdon"
Nicholls Mfg. Co., Ottumwa, Ia. "True"
Ridgely Trimmer Co., Springfield, O.
Rockford Mitre Box Co., Rockford, Ill. "Honeycomb"
Stanley Works, New Britain, Conn. "Marsh-Ayer," "Marsh-Langdon," "Victor"
Stearns (E. C.) & Co., Syracuse, N. Y. "Stearns Esco"
Union Hardware Co., Torrington, Conn. "Perfection"

BOXES, Mortar

American Sheet Metal Works, New Orleans, La.
General Wheelbarrow Co., Cleveland, O. "Akron"
Hastings Equity Grain Bin Mfg. Co., Hastings, Neb.
Jackson Mfg. Co., Harrisburg, Pa.
Littleford Bros., Cincinnati, O.
Metal Products Corp., 49 Chestnut, Weehawken, N. J.
Swett (A. L.) Iron Wks., Medina, N. Y.

BOXES, Paper, Folding

Advance Paper Box Co. St. Louis, Mo.
Container Corp. of America, Chicago, Ill.
Dayton Paper Novelty Co., Dayton, O.
Gair (Robert) Co., Inc., 420 Lexington Av., New York, N. Y.
Hinde & Dauch Paper Co., St. Louis, Mo.
Marathon Paper Mills Co., Rothschild, Wis.
U. S. Paper Goods Co., Cincinnati, O.
United Paperboard Co., 171 Madison Av., New York, N. Y.
Warren (P. R.) Co., Everett, Mass.

BOXES, Salt, Spice, Etc.

Arcade Mfg. Co., Freeport, Ill.
Bogert & Hopper, 223 Varick, New York, N. Y.
Burley & Winter Pottery Co., Crooksville, O. (Salt)
Columbia Can Co., Madison, St. Louis, Mo.
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Kreamer (A.), Inc., 307 Kent Av., B'klyn, N. Y.
Lalance & Grosjean Mfg. Co., Woodhaven, N. Y.
Sefton National Fibre Can Co., St. Louis, Mo.
Sneath Glass Co., Hartford City, Ind.
United States Glass Co., Pittsburgh, Pa.
U. S. Stamping Co., Moundsville, W. Va.

BOXES, Sand

Anchor Post Fence Co., Baltimore, Md.
Dayton Toy & Specialty Co., Dayton, O. "Son-ny"
Fairfield Mfg. Co., Fairfield, Me. "Sunnyplay"
Medart Co., St. Louis, Mo.
Mengel Co., St. Louis, Mo.
Merremaker Corp., Minneapolis, Minn.
Toledo Metal Wheel Co., Toledo, O. "Blue Streak"
Wenzel (Herman) Tent & Duck Co., St. Louis, Mo.

BOXES, Shelf, Hardware

Duluth Show Case Co., Duluth, Minn.
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Green Co., Inc., 90 W. B'way, New York, N. Y.
Heller (W. C.) & Co., Montpelier, O.
Manufacturing Equipment & Engineering Co., Framingham, Mass.
Sheip (Henry H.) Mfg. Co., Phila., Pa.
Warren (J. D.) Mfg. Co., Chicago, Ill.

BOXES, Shell—See Boxes, Cartridge

BOXES, Spice—See Boxes, Salt, Spice, Etc.

BOXES, Tool
(See also Chests, Tool)

Aurora Equipment Co., Aurora, Ill. "Equipto"
Baker-Case Mfg. Co., Racine, Wis.
Battery Equipment & Supply Co., Chicago, Ill. "Besco"
Boelter (F. W.) Mfg. Co., Chicago, Ill.
Bogert & Hopper, 223 Varick, New York, N. Y.
Darby Steel Equipment Co., Phila., Pa.
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Gerstner (H.) & Sons, Dayton, O.
Graves (W. L.), Hatfield, Mass.
Hamilton Metal Products Co., Hamilton, O. "Climax," "Minute-Man"
Heddon's (Jas.) Sons, Dowagiac, Mich. "Heddon-Outing"
Kirk & Blum Mfg. Co., Cincinnati, O.
Lyon Metal Products, Inc., Aurora, Ill.
McGrew Machine Co., Lincoln, Neb. "Lincoln"
McKinney (Jas.) & Son, Albany, N. Y.
Marion Machine, Fdry. & Supply Co., Marion, Ind.
Metal Products Corp., 49 Chestnut, Weehawken, N. J.
Milwaukee Tool & Forge Co., So. Milwaukee, Wis.
New Britain Mach. Co., New Britain, Conn.
Ohio Mfg. Co., Painesville, O.
Orangeville Mfg. Co., Orangeville, Pa. (Contractors)
Outing Mfg. Co., Elkhart, Ind. "Big Ace., "Master Heavy Duty"
Stratton & Terstegge Co., Louisville, Ky. "Falls City," "Handy"
Union Steel Chest Corp, Le Roy, N. Y. "Utilco"

BOXES, Wood

Backus (A.) Jr. & Sons, Detroit, Mich. (Woven)
Beckwith Bros. Co., Westfield, Mass.
Howes (S. M.) Co., Boston, Mass.
Jackson (Edwin A.) Bros., 50 Beekman, New York, N. Y.
Janusch Mfg. Co., 282 E. 135th, New York, N. Y.
Stiles (H. A.) & Co., Boston, Mass.

BOXING GLOVES—See Gloves, Boxing

BOY SCOUT AXES—See Axes, Boy Scout, Forged Steel

BOY SCOUT KNIVES—See Knives, Hunting; also Knives, Pocket

BRACE EXTENSIONS, BIT—See Extensions, Bit Brace

BRACES, Bit

Clifford (Wiley C.) Corp., Avon, N. Y.
Millers Falls-Goodell Pratt Co., Greenfield, Mass. "Barber"
North Bros. Mfg. Co., Phila, Pa. "Yankee"
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Stanley Wks., New Britain, Conn.
Turner & Deegan, Bristol, Conn. "Barbers"
Washburn Co., Chicago Div., Chicago, Ill.
Whitman & Barnes, Inc., Detroit, Mich.

BRACES, Bit, Corner

Millers Falls-Goodell Pratt Co., Greenfield, Mass. "Universal"
Stanley Wks., New Britain, Conn.

BRACES, Chair and Bed

DeBoer Mfg. Co., Syracuse, N. Y. "Chairstay"
G.G.G. Metal Stamping Co., Warren, Pa.
Merwin Mfg. Co., Erie, Pa.
Seng Co., Chicago, Ill.
Wire Specialty Mfg. Co., Minneapolis, Minn.
Wittliff Furniture Brace Co., Cleveland, O.

BRACES, Corner—See Irons, Brace, Corner

BRACES, Door, Screen

Arcade Mfg. Co., Freeport, Ill. "Non-Sag"
Champion Hdw. Co., Geneva, O.
Grey Iron Casting Co., Mt. Joy, Pa.
Griffin Mfg. Co., Erie, Pa.
National Mfg. Co., Sterling, Ill.
Shelby Spring Hinge Co., Shelby, O.
Snyder (F. Edw.), Massillon, O. "Anti-Sag"
Stanley Wks., New Britain, Conn.
Wagner Mfg. Co., Cedar Falls, Ia.

BRACES, FURNITURE—See Braces, Chair & Bed

BRACES, Garage Door

Champion Hardware Co., Geneva, O.
Harper (H. M.) Co., Chicago, Ill.
Shelby Spring Hinge Co., Shelby, O.
Stanley Wks., New Britain, Conn.

BRACES, Partition

Hess (Chas.) Co., 49-14 Metropolitan Av., Bklyn., N. Y.

BRACES, Push

North Bros. Mfg. Co., Phila., Pa. "Yankee"

BRACES, Seat, Boat

Eberhard Mfg. Co., 2790 Tennyson Rd., Cleveland, O.

BRACKET SAWS—See Saws, Bracket

BRACKETS, Bookcase, Adjustable

Garden City Plating & Mfg. Co., Chicago, Ill. "Garcy"

BRACKETS, Flower Pot

Arcade Mfg. Co., Freeport, Ill.
Grey Iron Casting Co., Mt. Joy, Pa.
Penn Hdw. Co., Reading, Pa.
Stover Mfg. & Engine Co., Freeport, Ill.
Timberlake (J. B.) & Sons, Jackson, Mich.
Washburn Co., Andrews Div., Rockford, Ill.

BRACKETS, Hand or Stair Rail

Barrows Lock Wks. of Yale & Towne Mfg. Co., Lockport, Ill.
Champion Hardware Co., Geneva, O.
Coleman Hardware Co., Inc., Chicago, Ill.
Corbin, (P. & F.), New Britain, Conn.
Detroit Wks., Detroit, Mich.
Highton (Wm.) & Sons Co., Nashua, N. H.
Ives (H. B.) Co., New Haven, Conn.
Kersten Co., Inc., Chicago, Ill.
Lockwood Mfg. Co., Fitchburg, Mass.
Norwalk Lock Co., 12 Warren, New York, N. Y.
Richards-Wilcox Mfg. Co., Aurora, Ill.
Sager Lock Wks. of Yale & Towne Mfg. Co., No. Chicago, Ill.
Sargent & Co., New Haven, Conn.
Stearns (E. C.) & Co., Syracuse, N. Y.
Yale & Towne Mfg. Co., Stamford, Conn.

BRACKETS, Ladder, Safety

Clark (J. R.) Co., Minneapolis, Minn.
Davenport Ladder Co., Davenport, Ia.
Newark Ladder & Bracket Mfg. Co., 317 Springfield Av., Newark, N. J.
Rich Pump & Ladder Co., 1028 Depot, Cincinnati, O.
Young (J. O.) Co., Springfield, Mass.

BRACKETS, Lamp, House, Etc.

Arcade Mfg. Co., Freeport, Ill.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Fiske (J. W.) Iron Wks., 78 Park Pl., New York, N. Y.
Gray Iron Foundry Co., Reading, Pa.
Grey Iron Casting Co., Mt. Joy, Pa.
New York Brass Turning Co., 568 B'way, New York, N. Y. "Brassturn"
Penn Hdw. Co., Reading, Pa.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Stover Mfg. & Engine Co., Freeport, Ill.
Stratton & Terstegge Co., Inc., Mfg. Div., Louisville, Ky. "Falls City"
Timberlake (J. B.) & Sons, Jackson, Mich.
Union Metal Mfg. Co., Canton, O.
Wrightsville Hdw. Co., Wrightsville, Pa.

BRACKETS, License
(See also Fasteners, License Plate)

Graffam Metal Products Co., Worcester, Mass. "Affa"
Ideal Clamp Mfg. Co., 200 Bradford, B'klyn, N. Y.
Newhall Chain, Forge & Iron Co., 48 W. B'way, New York, N. Y.
Persons-Majestic Mfg. Co., Worcester, Mass.

BRACKETS, Pole, Curtain

Bay State Stamping Co., Worcester, Mass. "Bennett"
Beardsley & Wolcott Mfg. Co., Waterville, Conn.
Gould-Mersereau Co., 189 Lexington Av., New York, N. Y.
Judd (H. L.) Co., 87 Chambers, New York, N. Y.
Lockwood Mfg. Co., Fitchburg, Mass.
Newman Mfg. Co., Cincinnati, O.
Payson Mfg. Co., Chicago, Ill.
Stewart Iron Wks. Co., Inc., 814 Stewart Block, Cincinnati, O.
Turner & Seymour Mfg. Co., Torrington, Conn.
Winsted Hdw. Mfg. Co., Winsted, Conn.

BRACKETS, Pole, Flag
(See also Holders, Flag)

Gray Iron Foundry Co., Reading, Pa. "Daisy," "Multiple," "No. 150," "Reading"
Gould-Mersereau Co., 189 Lexington Ave., New York, N. Y.
Judd (H. L.) Co., 87 Chambers, New York, N. Y.
Laughlin (Thos.) Co., 199 Fore, Portland, Me.
Mechanicville Specialty Supply Mfg. Co., Mechanicville, N. Y.

BRACKETS, Pole, Flag (Continued)

Meyers (Fred J.) Mfg. Co., Hamilton, O.
Nicol & Co., Chicago, Ill. "Columbian"
Wilcox, Crittenden & Co., Inc., 77 S. Main, Middletown, Conn. "Ineeda"
Wrightsville Hdw. Co., Wrightsville, Pa.

BRACKETS, Rafter

Badger Malleable & Mfg. Co., South Milwaukee, Wis.
Farley & Loetscher Mfg. Co., Dubuque, Ia.
Louden Machy. Co., Fairfield, Ia.
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O.
Pratt (Wm. E.) Mfg. Co., Chicago, Ill.
Starline, Inc., Harvard, Ill.
Steel Scaffolding Co., Evansville, Ind.
Stowell Co., South Milwalkee, Wis.
Swineford (G. A.) Co., Canton, O.
Young (J. O.) Co., Springfield, Mass.

BRACKETS, Roof

Ajax Building Bracket Co., Cleveland Heights, O.
Edwards Mfg. Co., Cincinnati, O.
Hubeny Brothers, Inc., Roselle, N. J. "Everlasting"
Moulton Ladder Mfg. Co., Somerville, Mass.
Stanley Wks., New Britain, Conn.
Steel Scaffolding Co., Evansville, Ind. "Trouble-Saver"
Wagner Mfg. Co., Cedar Falls, Ia.
Young (J. O.) Co., Springfield, Mass.

BRACKETS, Scaffold

Ajax Building Bracket Co., Cleveland Heights, O. "Reliable"
Clark (J. R.) Co., Minneapolis, Minn.
Berlin Construction Co., Inc., Berlin, Conn.
Elite Mfg. Co., Ashland, O. "Reliable"
Gabriel Steel Co., Detroit, Mich.
Hess (Chas.) Co., 49-14 Metropolitan Av., B'klyn, N. Y.
Hubeny Brothers, Inc., Roselle, N. J. "Everlasting"
Moulton Ladder Mfg. Co., Somerville, Mass.
Rich Pump & Ladder Co., 1028 Depot, Cincinnati, O.
Richards-Wilcox Mfg. Co., Aurora, Ill. "R-W"
Steel Scaffolding Co., Evansville, Ind. "Trouble-Saver"
Superior Ladder Co., Goshen, Ind.
Swaine (John) Architectural Iron Wks., Springfield, Mass.
Taylor (Jas. L.) Mfg. Co., Poughkeepsie, N. Y.
Tilley (John S.) Ladders Co., Inc., Watervliet, N. Y.
Toledo Pressed Steel Co., Toledo, O.
Victor Clothes Dryer & Mfg. Co., Worcester, Mass. "Safety"
Wagner Mfg. Co., Cedar Falls, Ia.
Young (J. O.) Co., Springfield, Mass.
Youngs Wrought Iron Wks., Rochester, N. Y.

BRACKETS, Shade—See Rollers and Fixtures, Shade

BRACKETS, Shelf
(See also Supports, Shelf; also Rests, Shelf)

Atlas-Ansonia Co., New Haven, Conn.
Balmer (J. H.) & Co., 399 Central Av., Newark, N. J.
Brainerd Mfg. Co., East Rochester, N. Y.
Brass Goods Mfg. Co., 345 Eldert, B'klyn, N. Y.
Champion Cutter & Fixture Co., Piqua, O.
Champion Hardware Co., Geneva, N. Y.
Dent Hdw. Co., Fullerton, Pa.
Garden City Plating & Mfg. Co., Chicago, Ill.
Gardner-Vail, Inc., Chicago, Ill.
Grand Rapids Brass Co., Grand Rapids, Mich.
Grey Iron Casting Co., Mount Joy, Pa.
Griffin Mfg. Co., Erie, Pa.
Hager (C.) & Sons Hinge Mfg. Co., St. Louis, Mo.
Knape & Vogt Mfg. Co., Grand Rapids, Mich.
Kohler Die & Specialty Co., De Kalb, Ill.
Logan Co., Louisville, Ky.
McKinney Mfg. Co., Pittsburgh, Pa.
Miller Specialties Co., Van Wert, O. (Radiator)
National Brass Co., Grand Rapids, Mich. "Essential"
National Lock Co., Rockford, Ill.
Peck, Stow & Wilcox Co., Southington, Conn.
Pocono Metal Mfg. Co., East Stroudsburg, Pa.
Reading Hdw. Co., Reading, Pa.
Reliable Mfg. Co., New Haven, Conn.
Russell (Jno. M.) Mfg. Co., Inc., Naugatuck, Conn.
Sargent & Co., New Haven, Conn.
Sharon Hdw. Mfg. Co., Sharon, Pa.
Stanley Wks., New Britain, Conn.
Stover Mfg. & Engine Co., Freeport, Ill.
Winsted Hdw. Mfg. Co., Winsted, Conn.
Wrightsville Hdw. Co., Wrightsville, Pa.
Yale & Towne Mfg. Co., Stamford, Conn.

BRACKETS, Shingling

Ajax Building Bracket Co., Cleveland Heights, O.
Hubeny Brothers, Inc., Roselle, N. J. "Everlasting"
Rugg Mfg. Co., Greenfield, Mass.
Steel Scaffolding Co., Evansville, Ind.
Young (J. O.) Co., Springfield, Mass.

BRACKETS, Show Case

Keil (Francis) & Son, Inc., 401 E. 163rd, New York, N. Y.
National Lock Co., Rockford, Ill.
Newman Mfg. Co., Cincinnati, O.
Woodworkers Hdwe. Mfg. Co., Chicago, Ill.

BRACKETS, Sink

American Foundry & Mfg. Co., St. Louis, Mo.
American Scale Co., Kansas City, Mo.
Avondale Stove & Fdry. Co., Birmingham, Ala.
Bignall Co., Medina, N. Y.
Central Foundry Co., 420 Lexington Av., New York, N. Y.
Crestline Mfg. Co., Crestline, O.
Gray Iron Foundry Co., Reading, Pa.
Griffin Mfg. Co., Erie, Pa.
Hedges-Walsh-Weidner Co., Chattanooga, Tenn.
Kupferle (John C.) Foundry Co., St. Louis, Mo.
Modern Iron Wks., Quincy, Ill. "M. I. W."
National Enameling & Stamping Co., Milwaukee, Wis.
New York Brass Turning Co., 568 B'way, New York, N. Y. "Brassturn"
Penn Hdw. Co., Reading, Pa.
Scovill Mfg. Co., Plumbers Brass Goods Div., Waterville, Conn.
Stanley Wks., New Britain, Conn.
Swett (A. L.) Iron Works, Medina, N. Y.

BRACKETS STAIR RAIL—See Brackets, Hand or Stair Rail

BRACKETS, Table

G. G. G. Metal Stamping Co., Warren, Pa.
Wrightsville Hdw. Co., Wrightsville, Pa.

BRACKETS, Wall

Arrow-Hart & Hegeman Electric Co., Hartford, Conn. (Porcelain)
Levolite Co., 176 Grand, New York, N. Y.
National Stamping & Electric Wks., Chicago, Ill.
Pass & Seymour, Inc., Syracuse, N. Y. (Porcelain)
Peach Porcelain Co., East Liverpool, O. (China)
United States Hardware & Mfg. Co., Pawtucket, R. I.

BRAD AWLS—See Awls, Brad

BRAD DRIVERS—See Drivers, Brad & Staple

BRADS
(See also Nails; also Tacks)

American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
Atlas Tack Corp., Fairhaven, Mass.
Baur Tack Co., Indianapolis, Ind. "O-B"
Cedarburg Wire & Wire Nail Co., Cedarburg, Wis.
Eastern Nail Co., Inc., Providence, R. I.
Illinois Nail Co., Chicago, Ill.
Kokomo Nail & Brad Co., Kokomo, Ind.
La Belle Iron Wks., Steubenville, O.
Milwaukee Tack Co., Milwaukee, Wis.
National Lock Co., Rockford, Ill.
Penn Tack Co., Norristown, Pa.
Pittsburgh Steel Co., Pittsburgh, Pa.
Stronach Nail Co., Pittsburgh, Pa. (Non-Splitting)
Tower Mfg. Co., Cincinnati, O.
Turner & Seymour Mfg. Co., Torrington, Conn.
Turner & Stanton Co., Norwich, Conn.
Wheeling Steel Corp., Wheeling, W. Va. "Wheeling"
Wickwire Bros., Cortland, N. Y.
Wickwire Spencer Steel Co., Inc., 41 E. 42d, New York, N. Y.
Youngstown Steel Products Co., Youngstown, O.

BRAIDED CORD—See Cord, Sash; also Lines, Clothes

BRAKES, Coaster

Corbin Screw Corp., New Britain, Conn. "Duplex"
Eclipse Mach. Co., Elmira, N. Y. "Morrow"
Elyea-Austell Co., Atlanta, Ga.
Ives Mfg. Co., Baltimore, Md.
Miami Cycle & Mfg. Co., Middletown, O. "Musselman"
New Departure Mfg. Co., Bristol, Conn.

BRAKES, Reel, Fishing

Enterprise Mfg. Co., Dept. HA, Akron, O.

BRANDING IRONS—See Brands, Burning

BRANDING KITS—See Kits, Branding

BRANDS, Burning

Co-operative Stamp Wks., 658 Fairview Av., B'klyn, N. Y.
Dickey Grabler Co., Cleveland, O.
Electric Soldering Iron Co., Inc., 137 W. 17th, New York, N. Y. "Esico"
Everhot Mfg. Co., Maywood, Ill.
Hoggson & Pettis Mfg. Co., New Haven, Conn.
Knight (H. W.) & Son, Seneca Falls, N. Y.
Murdock Stamp & Specialty Co., Cincinnati, O.
Noble & Westbrook Mfg. Co., East Hartford, Conn.
Stafford (N.) Co., 53d & First Av., B'klyn, N. Y.
Stortz (John) & Son, 210 Vine, Phila., Pa.
Vulcan Elec. Heater Corp., 225 Varick, New York, N. Y.

BRASS BOLTS—See Bolts, Brass

BRASS BURRS—See Burrs, Copper and Brass

BRASS CAP NUTS—See Nuts, Brass Cap

BRASS CHAINS—See Chain, Brass, Bronze, Etc.

BRASS CHECKS—See Checks, Brass

BRASS DOLL BEDS—See Beds, Doll

BRASS DOWEL PINS—See Pins, Dowel, Brass

BRASS FAUCETS—See Faucets, Brass

BRASS FERRULES—See Ferrules, Brass and Copper

BRASS HAMMERS—See Hammers, Brass

BRASS KETTLES—See Kettles, Brass

BRASS KNOBS—See Knobs, Door, Brass

BRASS NAILS—See Nails, Brass

BRASS NUTS—See Nuts, Brass; also Nuts, Hexagon, Brass

BRASS PIPE—See Tubing, Brass; also Pipe, Brass and Copper

BRASS RAILING—See Railing, Pipe, Iron, Brass and Bronze

BRASS RINGS—See Rings, Brass

BRASS RIVETS—See Rivets, Brass

BRASS SCREWS—See Screws, Brass

BRASS and COPPER, Sheet and Rod

American Brass Co., Waterbury, Conn. "Anaconda"
American Smelting & Refining Co., San Francisco, Cal. (Copper)
Baltimore Tube Co., Baltimore, Md.
Bridgeport Brass Co., Bridgeport, Conn. "Ledrite"
Bristol Brass Co., Bristol, Conn.
Chase Brass & Copper Co., Waterbury, Conn.
Clendenin Bros., Baltimore, Md.
Federated Metals Corp., Chicago, Ill.
Hussey (C. G.) & Co., Pittsburgh, Pa.
International Nickel Co., 43 Exchange Pl., New York, N. Y. "Monel Metal"
Michigan Copper & Brass Co., Detroit, Mich. "Wolverine"
Milcor Steel Co., Milwaukee, Wis. "Armco"
New Haven Copper Co., Seymour, Conn.
Randolph-Clowes Co., Waterbury, Conn.
Revere Copper & Brass, Inc., 230 Park Av., New York, N. Y.
Scovill Mfg. Co., Waterbury, Conn.
Seymour Mfg. Co., Seymour, Conn.
Sommers Co., Waterbury, Conn.
Stamford Rolling Mills Co., 347 Madison Av., New York, N. Y.
Waukesha Foundry Co., Waukesha, Wis.
Winchester Brass & Copper Co., Winsted, Conn.

BRASS RULES—See Rules, Brass

BRASS SIGNS—See Signs, Metal

BRASS TACKS—See Tacks, Brass

BRASS TUBING—See Tubing, Brass

BRASS VALVES—See Valves, Check, Stop, Etc.

BRASS WASHERS—See Washers, Brass

BRASS WIRE—See Wire, Brass

BRASS WIRE CLOTH—See Cloth, Wire, Brass

BRAZING TORCHES—See under Torches

BREAD BOARDS—See Boards, Bread

BREAD BOXES—See Boxes, Bread

BREAD CUTTERS—See Cutters, Bread

BREAD GRATERS—See Graters, Vegetable, Etc.

BREAD KNIVES—See Knives, Bread

BREAD MIXERS—See Mixers, Bread

BREAD PANS—See Pans, Bread

BREAD SLICERS—See Cutters, Bread

BREAKDOWN SCOOPS—See Scoops, Breakdown

BREAKERS, Ice

American Knife Co., Baldwinsville, N. Y.
Briddell, Chas. D., Crisfield, Md. "Stan-More"
Champion Line Machinery Co., Inc., 132 W. 31st, New York, N. Y.

BREAKERS, Ice (Continued)

Colebrookdale Iron Co., Boyertown, Pa. "Double"
Columbus Handle & Tool Corp. Works of the National Handle Co., Columbus, Ind.
Gruman Ice Tool Wks., Branchville, Conn.
Iwan Bros., South Bend, Ind.
Mechanics Tool & Wrench Co., Greenfield, Mass. "Nichols Bros"
Micro Machine Co., Bettendorf, Ia. "Little Giant"
North Bros. Mfg. Co., Phila., Pa. "New Rapid"
Staatsburg Ice Tool Works, Staatsburg-on-the-Hudson, N. Y.
Stortz (John) & Son, Phila., Pa.

BREAKERS, Ice Cube

New Standard Corp., Mount Joy, Pa. "Regal," "Yukon"
North Bros. Mfg. Co., Phila., Pa. "Lightning"

BREAST CHAINS—See Chains, Breast

BREAST DRILLS—See Drills, Breast

BREEDERS SUPPLIES

Dana (C. H.) Co., West Lebanon, N. H.

BRICK BARROWS—See Wheelbarrows, All Types and Classifications

BRICK BONDS—See Ties, Wall

BRICK CHISELS—See Chisels, Brick

BRICK CLAMPS—See Clamps, Brick

BRICK DRILLS—See Drills, Brick

BRICK HAMMERS—See Hammers, Bricklayers

BRICK HODS—See Hods, Mortar and Brick

BRICK PAINTS—See Paints, Cement, Concrete, Brick, Etc.

BRICKLAYERS HAMMERS—See Hammers, Bricklayers

BRICKLAYERS SCUTCHES—See Scutches, Bricklayers

BRICKLAYERS SETS—See Sets, Bricklayers

BRIDGE BUILDERS WRENCHES—See Wrenches, Bridge Builders

BRIDGE SETS—See Sets, Bridge

BRIDLE BITS—See Bits, Bridle

BRIDLE RINGS—See Harness and Saddlery, Hardware

BRIDLES—See Harness and Saddlery

BRIGHT WIRE GOODS
(See also aricle desired)

Larson (Chas. O.) Co., Sterling, Ill.
Lawrence Bros., Sterling, Ill.
Parker Wire Goods Co., Worcester, Mass.
Washburn Company, Worcester, Mass.

BROADCASTERS, Radio, Home—See Radio Home Broadcasters

BROILERS

Automatic Wire Goods Mfg. Co., 15 Canal Pl., New York, N. Y.
Comstock-Castle Stove Co., Quincy, Ill. "Salamander"
Crescent Foundry Co., St. Louis, Mo. "Ozark"
Detroit-Michigan Stove Co., Detroit, Mich. "Garland," "Jewel" (Gas)
Florence Stove Co., Gardner, Mass. (Electric)
Gatch Brush & Wire Goods Co., Baltimore, Md.
Grand Rapids Wire Products Co., Grand Rapids, Mich.
Griswold Mfg. Co., Erie, Pa.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Handy Broiler Co., Phila., Pa.
Health-Maid, Inc., Cleveland, O.
Kewaskum Aluminum Co., Kewaskum, Wis. "Nosmok"
Lalance & Grosjean Mfg. Co., Woodhaven, L. I., N. Y.
Malleable Steel Range Mfg. Co., South Bend, Ind. "South Bend Malleable" (Gas or Charcoal)
Miller (Wm.) Range & Furnace Co., Cincinnati, O.
National Enameling & Stamping Co., Milwaukee, Wis.
Parker Wire Goods Co., Worcester, Mass.
Perfection Stove Co., Inc., 7609 Platt Av., Cleveland, O.
Quick Meal Stove Co., St. Louis, Mo. (Gas)
Racine Iron & Wire Wks., Racine, Wis.
Ross Broiler Co., St. Joseph, Mo.
Savory, Inc., 591 Ferry, Newark, N. J.
Sexton (S. B.) Stove & Mfg. Co., Baltimore, Md.
Squire Products Co., Pittsburgh, Pa. "Broilet"
Standard Electric Stove Co., Toledo, O.
Stearns (E. C.) & Co., Syracuse, N. Y.
Union Steel Products Co., Albion, Mich.
United Steel & Wire Co., Battle Creek, Mich.
Wagner Mfg. Co., Sidney, O.
Washburn Company, Worcester, Mass. "Natwire"

BROILERS, Electric

Edison General Electric Appliance Co., Inc., Chicago, Ill.
Landers, Frary & Clark, New Britain, Conn. "Neuco"
Prima Mfg. Co., Inc., Sidney, O.
Serelco Products Corp., 601 W 26th, New York, N. Y.
Standard Electric Stove Co., Toledo, O.

BRONZE BALLS—See Balls, Steel, Bronze, Monel Metal, Stainless Steel

BRONZE BOLTS—See Bolts, Brass, Bronze and Copper

BRONZE CHAIN—See Chain, Brass, Bronze, Etc.

BRONZE KNOBS—See Knobs, Door, Brass and Bronze

BRONZE LAMPS—See Lamps, Artistic Bronze and Wrought Iron

BRONZE PAINTS—See Paints, Aluminum and Bronze

BRONZE POWDERS—See Powders, Bronze

BRONZE RAILING—See Railing, Pipe, Iron, Brass and Bronze

BRONZE SCREWS—See Screws, Bronze; also Screws, Brass and Bronze

BRONZE SIGNS—See Signs, Metal

BRONZE VALVES—See Valves, Bronze

BRONZE WIRE—See Wire, Phosphor Bronze

BRONZE WIRE CLOTH—See Cloth, Wire, Brass, Bronze and Copper

BRONZING LIQUIDS—See Liquids, Bronzing

BROOD COOPS—See Coops, Brood

BROODER HEATERS—See Heaters, Brooder

BROODERS
(See also Incubators)

American Brooder Corp., Alhambra, Cal. "American Giant"
American Incubators, Inc., New Brunswick, N. J. "Wish-Bone"
Automatic Incubator Co., Delaware, O. "Dico"
Bowers (F. M.) & Sons Co., Indianapolis, Ind.
Brower Mfg. Co., Quincy, Ill. "Save-All" (Hoover)
Buckeye Incubator Co., Springfield, O.
Candee Incubator & Brooder Co., Eastwood, N. Y.
Capital Incubator Co., St. Paul, Minn.
Chicago Air-Tight Stove Co., Chicago, Ill. "Vortex"
Close-to-Nature Co., Colfax, Ia.
Cole Mfg. Co., Chicago, Ill.
Delaware Industries Co., Delaware, O. "Dico"
Des Moines Incubator Co., Des Moines, Ia.
Electric Controller Co., Greenfield, Ind. "Lectro-Hatch"
Globe American Corp., Kokomo, Ind. "Makomb," "Regal"
Harder Silo Co., Inc., Cobleskill, N. Y.
Hoeft & Co., Inc., 2309 Davis, North Chicago, Ill. "Moe's"
Hoosier Bldg. Tile & Silo Co., Albany, Ind.
Hopson (W. C.) Co., Grand Rapids, Mich. (Oil Burning)
Hudson (H. D.) Mfg. Co., Chicago, Ill. "Kleen-Ezy"
International Sanitary Hover Co., St. Louis, Mo.
James Mfg. Co., Fort Atkinson, Wis. "Jamesway"
Klein Mfg. Co., Burlington, Ia. "K-Line"
Lancaster Mfg. Co., Lancaster, Pa.
Martin Steel Products Co., Mansfield, O.
Miller (J. W.) Co., Rockford, Ill. "De Luxe"
Mit-Shel Stamping Mfg. Co., Quincy, Ill. "Up-to-Date"
National Brooder Co., Springfield, O.
New McCurdy Mfg. Co., Ada, O.
Oakes Mfg. Co., Tipton, Ind. "Acorn," "Gro-Ezy"
103 Degree Incubator Co., Crown Point, Ind.
Petaluma Electric Incubator Co., Petaluma, Cal.
Phelan Brooder Co., Oklahoma City, Okla. (Oil Burning)
Pratt (Wm. E.) Mfg. Co., Chicago, Ill.
Putnam (I.) Inc., Elmira, N. Y.
Queen Incubator Co., Lincoln, Neb. "Lincoln"
Reliable Incubator & Brooder Co., Quincy, Ill. "Imperial"
Ross Cutter & Silo Co., Springfield, O.
Royal Mfg. Co., Toledo, O. "Handy"
Sheer (H. M.) Co., Quincy, Ill. "Sol-Hot"
Simplex Brooder Stove Co., 216 Ellsworth Av., S. W., Grand Rapids, Mich.
Starline, Inc., Harvard, Ill.
Stauffer (H. M.) & Sons, Leola, Pa.
Sure Hatch Incubator Co., Fremont, Neb.
Thermo Electric Incubator Co., Inc., New Orleans, La. "Reed"
United Brooder Co., Trenton, N. J. "Magic" (Coal Burning)
Vac Mfg. Co., Monmouth, Ill.
Wotherspoon (Jas. R.), Inc., Sinking Spring, Pa. "Eureka"

BROOM HOLDERS—See Holders, Broom

BROOM RACKS—See Racks, Broom

BROOMS, Bamboo

American Standard Mfg. Co., Chicago, Ill.
Indianapolis Brush & Broom Mfg. Co., Indianapolis, Ind. "Capital"
Lay (Jos.) Co., Portland, Ind.
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
National Brush & Broom Co., Ridgeville, Ind. "DuraBilt"
Opie (J. W.) Brush Co., Kansas City, Mo.
Osborn Mfg. Co., Cleveland, O. "Iron Clad"
Ox Fibre Brush Co., Frederick, Md.
Richmond Broom Co., Richmond, Va.

BROOMS, Barn—See Brooms, Street and Stable

BROOMS, Corn

Alabama Broom & Mattress Co., Huntsville, Ala.
American Broom Mfg. Co., New Orleans, La. "Economy," "Square Deal," "Utility"
American Broom & Brush Co., Amsterdam, N. Y.
American Standard Mfg. Co., Chicago, Ill.
Amsterdam Broom Co., Amsterdam, N. Y.
Anderson Bros., Salina, Kan.
Atlantic Southwestern Broom Co., Baltimore, Md.
Bardall (J. C.) Co., Moundsville, W. Va.
Betty's Folks, Washington, Pa. (Fibre)
Bookhop Broom & Brush Co., 451 38th, B'klyn, N.Y.
Central Broom Co., Jefferson City, Mo. "Polychrome"
Collins Bros., Lawrence, Mass.
De Roo's (P.) Son, Cincinnati, O.
Deshler Broom Factory, Deshler, Neb. "Quality"
Dobbertin, A. C., Rochester, N. Y.
Dudgeon Co., Cave Valley, Ky.
Eckhart (A. J.) Co., Cleveland, O. "Sweepwell"
Evans, Andrew J., Terre Haute, Ind.
Evans & Liddle, Inc., Lockport, N. Y.
Fairchild (Lester) Co., Greene, N. Y.
Frankfort Broom Co., Frankfort, Ky.
Fulton, H. K., Wilmington, Del.
Gardner Broom Co., Amsterdam, N. Y.
Goeller's (M. G.) Sons Co., Circleville, O.
Hamburg Broom Wks., Hamburg, Pa.
Harrah & Stewart Broom Mfg. Co., Des Moines, Ia. "Little Polly"
Hartman Broom Co., Clay Center, Kan.
Hatch (E. W.) & Sons Co., Union City, Pa.
Hoag Duster Co., Monticello, Ia. "Iowa"
Howard (E. D.) Broom Co., Columbus, O.
Imperial Broom Wks., Chicago, Ill.
Indianapolis Brush & Broom Mfg. Co., Indianapolis, Ind. "Capital"
Kelly (M. A.) Broom Co., Leavenworth, Kan.
Kuh Bros., Sioux Falls, S. D.
Lay (Jos.) Co., Portland, Ind.
Libman (Wm.) & Son, Chicago, Ill.
Little Pelton Broom Co., Des Moines, Ia.
Lyons, John P., Minneapolis, Minn.
McIntosh & Alberts, Chicago, Ill.
Maiden, Wm., Muscatine, Ia.
Manzelmann, Chas., Detroit, Mich.
May Rose Broom Co., Louisville, Ky.
Meder Bros., Minneapolis, Minn.
Meese Broom Co., Spokane, Wash.
Memphis Broom & Brush Co., Memphis, Tenn.
Merkle Broom Co., Paris, Ill.
Metal Bound Brush & Broom Co., Cincinnati, O.
Metzger, Harry, Muscatine, Ia.
Meyer, Nicholas, Sr., Green Bay, Wis.
Miller Broom Co., La Crosse, Wis.
Mohawk Valley Broom Co., Fonda, N. Y.
Montgomery Broom Mfg. Co., Grove City, Pa.
Muckenfuss Mfg. Co., Spartanburg, S. C.
National Broom Co., Lockport, N. Y.
National Brush & Broom Co., Ridgeville, Ind. "DuraBilt"
New Bremen Broom Co., New Bremen, O.
Noble, Chas. H., Thompsonville, Conn.
Noxon Broom Co., Avoca, N. Y.
Olson Broom Co., Sterling, Kan.
Opie Brush Co., Kansas City, Mo.
Otwell (W. E.) & Co., Linn, Kan.
Page Broom Co., Lawrence, Mass.
Pauken (John) Broom Co., Maumee, O.
Pioneer Broom Co., Inc., Amsterdam, N. Y.
Pirrung Mfg. Co., Chicago, Ill.
Plunkett, Chas., 118 Warren, New York, N. Y. "Blue Ribbon"
Ramseur Broom Wks., Ramseur, N. C.
Richmond Broom Co., Richmond, Va.
Ripple (S. A.) & Bros., Baltimore, Md.
Rochester Brush Mfg. Co., Rochester, N. Y.
Rogers Broom Co., Washington, Ind.
Rosengren, E., Lindsborg, Kan.
Sancken, Henry, Augusta, Ga.
Schenninger (C. B. & C. G.), Syracuse, N. Y.
Scovill (M. G.) Sons Co., Ogden, Utah.
Shakespeare Products Co., Kalamazoo, Mich. "Dorothy Dale"
Shanaman Bros., Reading, Pa.
Sider Bros., Chicago, Ill.
Southwestern Broom Mfg. Co., Evansville, Ind.
Stewart (A. F.) Broom Co., St. Paul, Minn.
Supple, Wm., Jr., Topeka, Kan.
Urbana Broom Co., Urbana, O.
Van Laak Mfg. Co., San Francisco, Cal.
Ward (J. B.) & Sons, Paterson, N. J.
Waterloo Broom Co., Waterloo, Ind.
Wetherbee (Geo. C.) & Co., Detroit, Mich.
Weymer (A. F.) Co., Syracuse, N. Y.
White, Valentine Co., Urbana, O.
Whitmyer, H., Schenectady, N. Y.
Windsor Mfg. Co., Windsor, Mo.
Zan Bros., San Francisco, Cal.

BROOMS, Factory—See Brooms, Warehouse, Mill and Factory

BROOMS, Fibre

American Brush Mfg. Co., Portland, Ore. "Ambruco"
Fogarty (Philip) Co., 49 Wyona, B'klyn, N. Y. "Anchor"
Gardner Broom Co., Amsterdam, N. Y.
Haisler Bros. Co., Chicago, Ill.
Hertzberg (H.) & Sons, 41 E. 11th, New York, N.Y. "Cleansbest"
Indianapolis Brush & Broom Mfg. Co., Indianapolis, Ind. "Capital"
Lay (Jos.) Co., Portland, Ind.
Metal Bound Brush & Broom Co., Cincinnati, O.
National Brush & Broom Co., Ridgeville, Ind. "DuraBilt"
Osborn Mfg. Co., Inc., Cleveland, O. "Iron Clad"
Ox Fibre Brush Co., Frederick, Md.
Shane & Hays, 5300 21st Av., B'klyn, N. Y.

BROOMS, Garden, Steel

Fuller Mfg. Co., Newhall, Iowa
Madewell Mfg. Co., Oakland, Cal.

BROOMS, House—See Brooms, Corn

BROOMS, Mill—See Brooms, Warehouse, Mill and Factory

BROOMS, Push

American Brush Mfg. Co., Portland, Ore. "Ambruco"
American Standard Mfg. Co., Chicago, Ill.
Atlanta Brush Co., Atlanta, Ga. "Felco"
Barber Asphalt Co., Phila., Pa. "Iroquois"
Bigelow Brush Co., Baltimore, Md. "Shield"
Bookhop Broom & Brush Co., 451 38th, B'klyn, N.Y.
Browne, F. W., Farmington, N. H.
Felton (S. A.) & Son Co., Manchester, N. H.
Flour City Brush Co., Minneapolis, Minn.
Grau Bros., Cincinnati, O.
Haisler Bros. Co., Chicago, Ill.
Hamburg Broom Wks., Hamburg, Pa.
Harper Brush Works, Fairfield, Ia.
Herbert Rattan Works, Kingston, N. Y.
Herold Bros. Co., Cleveland, O.
Holcomb (J. I.) Mfg. Co., Indianapolis, Ind.
Indianapolis Brush & Broom Mfg. Co., Indianapolis, Ind. "Capital"
Lay (Jos.) Co., Portland, Ind. "Victor"
Michigan Brush Mfg. Co., Inc., Detroit, Mich. "Motor City"
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
Mulholland, Wm., 82 Walker, New York, N. Y.
New Jersey Brush Mfg. Co., Inc., Bloomfield, N. J. "Big Chief"
Opie (J. W.) Brush Co., Kansas City, Mo.
Osborn Mfg. Co., Cleveland, O. "Iron Clad"
Ox Fibre Brush Co., Frederick, Md.
Pittsburgh Plate Glass Co., Brush Div., Baltimore, Md. "Even Trim"
Schaefer Brush Mfg. Co., Milwaukee, Wis.
Shane & Hays, 5300 21st Av., B'klyn, N. Y.
Sunset Broom & Brush Co., San Francisco, Cal.
Thompson, Leon C., Concord, N. H.
U. S. Brush Co., Omaha, Neb.
Warner (W. E.) & Co., 265 Canal, New York, N.Y.
Whiting-Adams Co., Boston, Mass.
Woonsocket Brush Co., Woonsocket, R. I.
Wooster Brush Co., Wooster, O. "Climax"
Worcester Brush & Scraper Co., Worcester, Mass.

BROOMS, Rattan

American Standard Mfg. Co., Chicago, Ill.
Bookhop Broom & Brush Co., 451 38th, B'klyn, N.Y.
Evans & Liddle, Inc., Lockport, N. Y.
Indianapolis Brush & Broom Mfg. Co., Indianapolis, Ind. "Capital"
Lay (Jos.) Co., Portland, Ind.
Miller Broom Co., La Crosse, Wis.
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
National Brush & Broom Co., Ridgeville, Ind. "DuraBilt"
Opie (J. W.) Brush Co., Kansas City, Mo.
Osborn Mfg. Co., Cleveland, O. "Iron Clad"
Ox Fibre Brush Co., Frederick, Md.
Richmond Broom Co., Richmond, Va.

BROOMS, Sink—See Brushes, Sink

BROOMS, Snow—See Brooms, Bamboo; also Brooms, Rattan

BROOMS, Stable—See Brooms, Street and Stable

BROOMS, Street and Stable

American Brush Mfg. Co., Portland, Ore. "Ambruco"
American Standard Mfg. Co., Chicago, Ill.
Bardall (J. C.) Co., Moundsville, W. Va.
Blumenthal (H.) & Co., 241 Centre, New York, N.Y.
Bookhop Broom & Brush Co., 451 38th, B'klyn, N.Y.
Bromwell Brush Mfg. Co., Seymour, Ind.
Felton (S. A.) & Son Co., Manchester, N. H. "Felton-Made"
Harrah & Stewart Broom Mfg. Co., Des Moines, Ia.
Herbert Rattan Wks., Kingston, N. Y.
Indianapolis Brush & Broom Mfg. Co., Indianapolis, Ind. "Red Cap"
Lay (Jos.) Co., Portland, Ind.
Metal Bound Brush & Broom Co., Cincinnati, O.
Michigan Brush Mfg. Co., Inc., Detroit, Mich.
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
Opie (J. W.) Brush Co., Kansas City, Mo.
Osborn Mfg. Co., Cleveland, O. "Iron Clad"
Ox Fibre Brush Co., Frederick, Md.
Shane & Hays, 5300 21st Av., B'klyn, N. Y.

BROOMS, Warehouse, Mill and Factory

American Broom & Brush Co., Amsterdam, N. Y.
American Standard Mfg. Co., Chicago, Ill.
Birmingham Broom Mfg. Co., Birmingham, Ala.
Bookhop Broom & Brush Co., 451 38th, B'klyn, N.Y.
Costello (J. S.) & Son Brush Co., St. Louis, Mo.
Evans & Liddle, Inc., Lockport, N. Y.
Felton (S. A.) & Son Co., Manchester, N. H.
Hamburg Broom Wks., Hamburg, Pa.
Harper Brush Co., Fairfield, Ia.
Harrah & Stewart Broom Mfg. Co., Des Moines, Ia.
Hatch (E. W.) & Sons Co., Union City, Pa.
Imperial Broom Wks., Chicago, Ill.
Indianapolis Brush & Broom Mfg. Co., Indianapolis, Ind. "Capital"
Kelly (M. A.) Broom Co., Leavenworth, Mass.
Lasting Mop & Broom Co., Evansville, Ind.
Lay (Jos.) Co., Portland, Ind.
Manzelman, Chas., Detroit, Mich.
May Rose Broom Co., Louisville, Ky.
Merkle Broom Co., Paris, Ill.
Metal Bound Brush & Broom Co., Cincinnati, O.
Miller Broom Co., La Crosse, Wis.
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
National Brush & Broom Co., Ridgeville, Ind. "DuraBilt"
Neosho Broom Factory, Neosho, Mo.
New Jersey Brush Mfg. Co., Inc., Bloomfield, N. J.
Portland Broom Co., Portland, Ore.
Ramseur Broom Wks., Ramseur, N. C.
Rich & France, Chicago, Ill.
Southwestern Broom Mfg. Co., Evansville, Ind.
Southwestern Broom & Warehouse Co., Wichita, Kan.
Sunset Broom & Brush Co., San Francisco, Cal.
Worcester Brush & Scraper Co., Worcester, Mass.

BROOMS, Whisk

American Broom & Brush Co., Amsterdam, N. Y.
Amsterdam Broom Co., Amsterdam, N. Y.
Bardall (J. C.) Co., Moundsville, W. Va.
Battery Equipment & Supply Co., Chicago, Ill. (Fibre) "Besco"
Bookhop Broom & Brush Co., 451 38th, B'klyn, N.Y.
Central Broom Co., Jefferson City, Mo. "Polychrome"
Dearborn Mfg. Co., Chicago, Ill. "Deshler"
De Roo's (P.) Son, Wade and Borton, Cincinnati, O.
Evans & Liddle, Inc., Lockport, N. Y.
Gardner Broom Co., Amsterdam, N. Y.
Harrah & Stewart Broom Mfg. Co., Des Moines, Ia.
Hatch (E. W.) & Sons Co., Union City, Pa.
Hayes Duster & Brush Co., 64 Lispenard, New York, N. Y.
Hertzberg (H.) & Son, 41 E. 11th, New York, N. Y. "Cleansbest"
Indianapolis Brush & Broom Mfg. Co., Indianapolis, Ind. "Red Cap"
Kautenburg (W. E.) Co., Inc., Freeport, Ill. "Universal"
Kelly (M. A.) Broom Co., Leavenworth, Mass.
Lasting Mop & Broom Co., Evansville, Ind.
Little Pelton Broom Co., Des Moines, Ia.
Manzelman, Chas., Detroit, Mich.
Merkle Broom Co., Paris, Ill.
Metal Bound Brush & Broom Co., Cincinnati, O.
Miller Broom Co., La Crosse, Wis.
Montgomery Broom Mfg. Co., Grove City, Pa.
Muckenfuss Mfg. Co., Spartanburg, S. C.
National Broom Co., Lockport, N. Y.
New Bremen Broom Co., New Bremen, O.
Osborn Mfg. Co., Cleveland, O. "Iron Clad"
Pioneer Broom Co., Inc., Amsterdam, N. Y.
Ripple (S. A.) & Bros., Baltimore, Md.
Shane & Hays, 5300 21st Av., B'klyn, N. Y.
Southwestern Broom Mfg. Co., Evansville, Ind.
Urbana Broom Co., Urbana, O.

BROOMS, Wire, Steel

Blumenthal (H.) & Co., 241 Centre, New York, N.Y.
Haisler Bros. Co., Chicago, Ill.
Herold Bros. Co., Cleveland, O.
Indianapolis Brush & Broom Mfg. Co., Indianapolis, Ind. "Capital"
Lay (Jos.) Co., Ridgeville, Ind.
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
Pilley Flue Brush Co., St. Louis, Mo.
Pittsburgh Plate Glass Co., Brush Div., Baltimore, Md.
Rinn (Albert E.) Co., Allentown, Pa. "Samson"
Schaefer Brush Mfg. Co., Milwaukee, Wis.
U. S. Brush Co., Omaha, Neb.
Worcester Brush & Scraper Co., Worcester, Mass. "Royal"

BRUSH CLEANERS—See Cleaners, Paint Brush

BRUSHES, Artists'

Wooster Brush Co., Wooster, O. "Foas-Set," "Ohio," "Shasta," "Ted the Tester"

BRUSHES, Automobile

American Brush Mfg. Co., Portland, Ore. "Ambruco"
Atlanta Brush Co., Atlanta, Ga.
Auburn Brush Co., Columbia, Pa.
Biltwell Brush Co., Rockford, Ill.
Burton Brush Co., Cambridge, Mass.
Colescott & Co., Inc. Phila., Pa.
Dearborn Mfg. Co., Chicago, Ill. "Flo-Brush," "Handy," "Rainbow"
Flour City Brush Co., Minneapolis, Minn.
Handy Brush Co., Detroit, Mich.
Hayes Duster & Brush Co., 64 Lispenard, New York, N. Y.
Herold Brothers Co., Cleveland, O.
Hertzberg (H.) & Son, 41 E 11th, New York, N.Y. "Cleansbest"
Hygenia Brush Co., Worcester, Mass. "Ideal"
Ideal Clamp Mfg. Co., 200 Bradford, B'klyn, N. Y. "Ace"
Jarvis Brush Co., Inc., Detroit, Mich.
Kautenburg (W. E.) Co., Inc., Freeport, Ill.
Leiner (Geo. S.) & Co., 1250 Brook Av., New York, N. Y.
Manufacturers Brush Co., Cleveland, O. "Advance"
Maxwell Brushes, Inc., 213 E. 144th, New York, N. Y.
Metal Bound Brush & Broom Co., Cincinnati, O.
Michigan Brush Mfg. Co., Inc., Detroit, Mich. "Motor City"
Mill-Rose Co., Cleveland, O.
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
New Jersey Brush Mfg. Co., Inc., Bloomfield, N. J.
North Ridge Brush Co., Inc., Freeport, Ill.
Osborn Mfg. Co., Cleveland, O.
Ox Fibre Brush Co., Frederick, Md.
Passaic Brush & Broom Mfg. Co., Garfield, N. J.
Pittsburgh Plate Glass Co., Brush Div., Baltimore, Md.
Quality Mfg. Co., Inc., Woburn, Mass. "Quality Antiseptic"
Rubber & Celluloid Products Co., 56 Ferry, Newark, N. J.
Schaefer Brush Mfg. Co., Milwaukee, Wis.
Silver-Chamberlin Co., Clayton, N. J.
Whiting-Adams Co., Boston, Mass.

BRUSHES, Bakers' and Butchers'

Costello (J. S.) & Son Brush Co., St. Louis, Mo.
Herold Brothers Co., Cleveland, O.
Manufacturers Brush Co., Cleveland, O. "Advance"
Metal Bound Brush & Broom Co., Cincinnati, O.
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
Morrison Brushes, Inc., Glen Falls, N. Y.
Osborn Mfg. Co., Cleveland, O. "Acme," "Jumbo"
Passaic Brush & Broom Mfg. Co., Garfield, N. J.
Pittsburgh Plate Glass Co., Brush Div., Baltimore, Md.
Rubber & Celluloid Products Co., 56 Ferry, Newark, N. J. "Rubberset"
Shane & Hays, 5300 21st Av., B'klyn, N. Y. "Shanday"

BRUSHES, Bath

American Standard Mfg. Co., Chicago, Ill.
Ames, Bonner Brush Co., Toledo, O. "A. B. C."
Biltwell Brush Co., Rockford, Ill.
Bowditch-Packard Co., Inc., Boston, Mass.
Bromwell Brush Mfg. Co., Seymour, Ind.
Costello (J. S.) & Son Brush Co., St. Louis, Mo.
Flour City Brush Co., Minneapolis, Minn.
Hayes Duster & Brush Co., 64 Lispenard, New York, N. Y.
Herbert Rattan Works, Kingston, N. Y. "Vigor"
Hertzberg (H.) & Son, 41 E. 11th, New York, N. Y. "Cleansbest"
Hoyt (M. E.) Brush Corp., Troy, N. Y.
Kautenburg (W. E.) Co., Inc., Freeport, Ill.
Knickerbocker Mfg. Co., Chicago, Ill.
Leiner (Geo. S.) & Co., 1250 Brook Av., New York, N. Y.
Maxwell Brushes, Inc., 213 E. 144th, New York, N. Y.
Metal Bound Brush & Broom Co., Cincinnati, O.
Mill-Rose Co., Cleveland, O.
New Jersey Brush Mfg. Co., Inc., Bloomfield, N. J.
North Ridge Brush Co., Inc., Freeport, Ill.
Osborn Mfg. Co., Cleveland, O. "Blue Handle"
Ox Fibre Brush Co., Frederick, Md.
Passaic Brush & Broom Mfg. Co., Garfield, N. J.
Shane & Hays, 5300 21st Av., B'klyn, N. Y. "Shanday"
Silver-Chamberlin Co., Clayton, N. J.
Whiting-Adams Co., Boston, Mass.

BRUSHES, Bench or Counter

American Brush Mfg. Co., Portland, Ore. "Ambruco"
Felton (S. A.) & Son Co., Manchester, N. H.
Flour City Brush Co., Minneapolis, Minn.
Hoag Duster Co., Monticello, Ia.
Indianapolis Brush & Broom Mfg. Co., Indianapolis, Ind. "Capital"
Metal Bound Brush & Broom Co., Cincinnati, O.
Michigan Brush Mfg. Co., Inc., Detroit, Mich. "Motor City"
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
Osborn Mfg. Co., Cleveland, O.
Ox Fibre Brush Co., Frederick, Md.
Rubber & Celluloid Products Co., 56 Ferry, Newark, N. J.
Shane & Hays, 5300 21st Av., B'klyn, N. Y. "Shanday"
Torrington Brush Works, Torrington, Conn.

BRUSHES, Bottle

American Brush Mfg. Co., Portland, Ore. "Ambruco"
American Standard Mfg. Co., Chicago, Ill.
Auburn Brush Co., Columbia, Pa.
Biltwell Brush Co., Rockford, Ill.
Bowditch-Packard Co., Inc., Boston, Mass.
Bromwell Brush Mfg. Co., Seymour, Ind.
Costello (J. S.) & Son Brush Co., St. Louis, Mo.
Du-All Mfg. Co., Geneva, Ill.
Flour City Brush Co., Minneapolis, Minn.
Hahn, Arthur W., 199 Lafayette, New York, N. Y.
Herbert Rattan Works, Kingston, N. Y.
Hertzberg (H.) & Son, 41 E. 11th, New York, N. Y. "Cleansbest"
Holcomb (J. I.) Mfg. Co., Indianapolis, Ind.
Hygenia Brush Co., Worcester, Mass.
Kautenberg (W. E.) Co., Inc., Freeport, Ill. "Universal"
Leiner (Geo. S.) & Co., 1250 Brook Ave., New York, N. Y. "Tufto"
Maxwell Brushes, Inc., 213 E. 144th, New York, N. Y.
Metal Bound Brush & Broom Co., Cincinnati, O.
Mill-Rose Co., Cleveland, O.
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
Neuberger (Andrew J.) Co., Boston, Mass. "Everlasto"
North Ridge Brush Co., Inc., Freeport, Ill.
Opie (J. W.) Brush Co., Kansas City, Mo.
Osborn Mfg. Co., Cleveland, O.
Ox Fibre Brush Co., Frederick, Md.
Passaic Brush & Broom Mfg. Co., Garfield, N. J.
Patent Novelty Co., Inc., Fulton, Ill.
Poggensee Brush Co., Chicago, Ill.
Pollock Brush Co., Easton, Pa.
Schaefer Brush Mfg. Co., Milwaukee, Wis. "Standard"
Shane & Hays, 5300 21st Av., B'klyn, N. Y. "Shanday"
Silver-Chamberlin Co., Clayton, N. J. "Nibco"
Tyer Rubber Co., Andover, Mass.
Worcester Brush & Scraper Co., Worcester, Mass.

BRUSHES, Buffing, Wire

Felton (S. A.) & Son Co., Manchester, N. H.
Ferrodowill Mfg. Co., St. Paul, Minn. "Ferro"
Herold Bros. Co., Cleveland, O.
Luther Grinder & Tool Co., Milwaukee, Wis.
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
Osborn Mfg. Co., Cleveland, O.

BRUSHES, Butchers'—See Brushes, Bakers & Butchers

BRUSHES, Clothes

American Standard Mfg. Co., Chicago, Ill.
Auburn Brush Co., Columbia, Pa.
Biltwell Brush Co., Rockford, Ill.
Bromwell Brush Mfg. Co., Seymour, Ind.
Costello (J. S.) & Son Brush Co., St. Louis, Mo.
Dearborn Mfg. Co., Chicago, Ill.
Flour City Brush Co., Minneapolis, Minn.
Hayes Duster & Brush Co., 64 Lispenard, New York, N. Y.
Hertzberg (H.) & Son, 41 E. 11th, New York, N.Y. "Cleansbest"
Hoyt (M. E.) Brush Corp, Troy, N. Y.
Hygenia Brush Co., Worcester, Mass.
Kautenberg (W. E.) Co., Inc., Freeport, Ill. "Universal"
Maxwell Brushes, Inc., 213 E. 144th, New York, N. Y.
Metal Bound Brush & Broom Co., Cincinnati, O.
Mill-Rose Co., Cleveland, O.
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
North Ridge Brush Co., Inc., Freeport, Ill.
Ox Fibre Brush Co., Frederick, Md.
Shane & Hays, 5300 21st Av., B'klyn, N. Y. "Shanday"
Silver-Chamberlin Co., Clayton, N. J. "Nibco"
Whiting-Adams Co., Boston, Mass.

BRUSHES, Counter—See Brushes, Household

BRUSHES, Crumb
(See also Trays, Crumb)

Hertzberg (H.) & Son, 41 E. 11th, New York, N. Y. "Cleansbest"
Kautenberg (W. E.) Co., Inc., Freeport, Ill. "Universal"
National Sheet Metal Co., Peru, Ill.
North Ridge Brush Co., Inc., Freeport, Ill.
Silver-Chamberlin Co., Clayton, N. J.

BRUSHES, Dust

American Standard Mfg. Co., Chicago, Ill.
Auburn Brush Co., Columbia, Pa.
Carroll Bros. & Co., Baltimore, Md.
Felton (S. A.) & Son, Co., Manchester, N. H.
Flour City Brush Co., Minneapolis, Minn.
Hayes Duster & Brush Co., 64 Lispenard, New York, N. Y.
Herold Bros. Co., 1104 W. 9th, Cleveland, O.
Hertzberg (H.) & Son, 41 E. 11th, New York, N. Y. "Cleansbest"
Hygenia Brush Co., Worcester, Mass.
Indianapolis Brush & Broom Mfg. Co., Indianapolis, Ind. "Capital"
Kautenberg (W. E.) Co., Freeport, Ill.
Maxwell Brushes, Inc., 213 E. 144th, New York, N. Y.
Mill-Rose Co., Cleveland, O.
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
New Jersey Brush Mfg. Co., Inc., Bloomfield, N. J.
North Ridge Brush Co., Inc., Freeport, Ill.
Opie (J. W.) Brush Co., Kansas City, Mo.
Ox Fibre Brush Co., Frederick, Md.
Pollock Brush Co., Easton, Pa.
Rhode Island Brush Co., Providence, R. I.
Rubber & Celluloid Products Co., 56 Ferry, Newark, N. J.
Rubico Brush Manufacturers, 34 Hubert, New York, N. Y.
Shane & Hays, 5300 21st Av., B'klyn, N. Y. "Shanday"
Silver-Chamberlin Co., Clayton, N. J.
Tottle (Wm. A.) & Co., Baltimore, Md.
Wax Brush Co., Boston, Mass. "Bwaxo"
Whiting-Adams Co., Boston, Mass.
Woonsocket Brush Co., Woonsocket, R. I.
Wooster Brush Co., Wooster, O. "Foss-set," "Ohio," "Shasta," "Ted the Tester"

BRUSHES, Firearms
(See also Cleaners, Gun; also Arms, Cleaning, Gun and Rifle)

Conversion Products Co., Phila., Pa.
Johnson's (Iver) Arms & Cycle Wks., Fitchburg, Mass.
King Mfg. Co., 263 Sussex Av., Newark, N. J.
Marble Arms & Mfg. Co., Gladstone, Mich.
Mill-Rose Co., Cleveland, O.
North Ridge Brush Co., Inc., Freeport, Ill.
Stevens (J.) Arms Co., Chicopee Falls, Mass.
Union Hdw. Co., Torrington, Conn.
Wolfe Brush Co., Pittsburgh, Pa.

BRUSHES, Floor—See Brushes, Household

BRUSHES, Floor Oiling—Se Oilers, Floor

BRUSHES, Floor Polishing

American Brush Mfg. Co., Portland, Ore. "Ambruco"
Auburn Brush Co., Columbia, Pa.
Autoyre Co., Oakville, Conn. (Waxers)
Bowditch-Packard Co., Inc., Boston, Mass.
Boyle (A. S.) Co., Cincinnati, O.
Burton Brush Co., Cambridge, Mass.
Devoe & Raynolds Co., 1 W. 47th, New York, N. Y.
Felton (S. A.) & Son Co., Manchester, N. H.
Flour City Brush Co., Minneapolis, Minn.
French (Sam'l H.) & Co., Inc., Phila., Pa.
Heymer Mfg. Co., Minneapolis, Minn. "Pollysure"
Holcomb (J. I.) Mfg. Co., Indianapolis, Ind.
Metal Bound Brush & Broom Co., Cincinnati, O.
Mill-Rose Co., Cleveland, O.
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
New Jersey Brush Mfg. Co., Inc., Bloomfield, N. J.
North Ridge Brush Co., Inc., Freeport, Ill.
Osborn Mfg. Co., Cleveland, O. "Silver Beauty"
Peerless Products Co., Los Angeles, Cal. (Waxers)
Pittsburgh Plate Glass Co., Brush Div., Baltimore, Md.
Ridgely Trimmer Co., Springfield, O.
Schaeffer Brush Mfg. Co., Milwaukee, Wis.
Shane & Hays, 5300 21st Av., B'klyn, N. Y. "Shanday"
Silver-Chamberlin Co., Clayton, N. J.
Snyder (E. L.) & Co., Canton, O. "Beautikote"
Tottle (Wm. A.) & Co., Baltimore, Md.
Wax Brush Co., Boston, Mass. "Bwaxo"
Whiting-Adams Co., Boston, Mass.
Wood-Mosaic Co., New Albany, Ind.
Wooster Brush Co., Wooster, O.

BRUSHES, Flue

Flour City Brush Co., Minneapolis, Minn.
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
Newark Brush & Scraper Co., Newark, N. J. "Abram," "Freeman"
Osborn Mfg. Co., Inc., Cleveland, O.
Peerless Mfg. Co., New Durham, N. H.
Pilley Packing & Flue Brush Mfg. Co., St. Louis, Mo.
Schaefer Brush Mfg. Co., Milwaukee, Wis.
Worcester Brush & Scraper Co., Worcester, Mass. "Re-Movall"

BRUSHES, Glue

American Brush Mfg. Co., Portland, Ore. "Ambruco"
Burton Brush Co., Cambridge, Mass.
Flour City Brush Co., Minneapolis, Minn.
Metal Bound Brush & Broom Co., Cincinnati, O.
Rubber & Celluloid Products Co., 56 Ferry, Newark, N. J. "Rubberset"
Shane & Hays, 5300 21st Av., B'klyn, N. Y. "Shanday"
Whiting-Adams Co., 700 Harrison Av., Boston, Mass.
Wooster Brush Co., Wooster, O. "Foss-set," "Ohio," "Shasta," "Ted-the-Tester"

BRUSHES, Gun—See Brushes, Firearms

BRUSHES, Horse

Auburn Brush Co., Columbia, Pa.
Bookhop Broom & Brush Co., 451 38th, B'klyn, N. Y.
Bromwell Brush Mfg. Co., Seymour, Ind.
Felton (S. A.) & Son Co., Manchester, N. H.
Haisler Bros. Co., Chicago, Ill.
Herbert Rattan Works, Kingston, N. Y.
Holcomb (J. I.) Mfg. Co., Indianapolis, Ind.
India Brush & Mat. Co., Detroit, Mich.
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
National Brush Co., Aurora, Ill.
Nelms & Rowan Co., Phila., Pa.
New Jersey Brush Mfg. Co., Inc., Bloomfield, N. J.
North Ridge Brush Co., Freeport, Ill.
Opie (J. W.) Brush Co., Kansas City, Mo.
Osborn Mfg. Co., Cleveland, O. "Dandy"
Ox Fibre Brush Co., Frederick, Md.
Pollock Brush Co., Easton, Pa.
Silver-Chamberlin Co., Clayton, N. J.
Wetherbee (Geo. C.) & Co., Detroit, Mich.

BRUSHES, Household
(See also Brushes, Scrubbing)

American Brush Mfg. Co., Portland, Ore. "Ambruco"
American Standard Mfg. Co., Chicago, Ill.
Auburn Brush Co., Columbia, Pa.
Barlow's Dusters, Inc., Watertown, Conn. "Velvet" (Wool)
Bigelow Brush Co., Baltimore, Md. "Shield"
Biltwell Brush Co., Rockford, Ill.
Bromwell Brush Mfg. Co., Seymour, Ind.
Burton Brush Co., Cambridge, Mass.
Carroll Bros. & Co., Baltimore, Md.
Costello (J. S.) & Son Brush Co., St. Louis, Mo.
Dearborn Mfg. Co., Chicago, Ill.
Du-All Mfg. Co., Geneva, O.
Felton (S. A.) & Son Co., Manchester, N. H. "Felton-Made"
Flour City Brush Co., Minneapolis, Minn.
Gerts-Lumbard & Co., Chicago, Ill.
Hanlon & Goodman Co., 342 Madison Av., New York, N. Y.
Harper Brush Co., Fairfield, Ia.
Hayes Duster & Brush Co., 64 Lispenard, New York, N. Y.
Herbert Rattan Works, Kingston, N. Y.
Herold Bros. Co., Cleveland, O.
Hertzberg (H.) & Son, 41 E. 11th, New York, N. Y. "Cleanbest"
Holcomb (J. I.) Mfg. Co., Indianapolis, Ind.
Hygenia Brush Co., Worcester, Mass.
Indianapolis Brush & Broom Mfg. Co., Indianapolis, Ind. "Capital"
Kautenberg (W. E.) Co., Inc., Freeport, Ill. "Universal"
Leiner (Geo. S.) & Co., 1250 Brook Av., New York, N. Y.
Lewis, Wm. H., Abingdon, Ill.
Maendler Brush Mfg. Co., Inc., St. Paul, Minn.
Manzelmann (Chas.), Detroit, Mich.
Maxwell Brushes, Inc., 213 E. 144th, New York, N. Y.
Metal Bound Brush & Broom Co., Cincinnati, O.
Michigan Brush Mfg. Co., Inc., Detroit, Mich. "Motor City"
Mill-Rose Co., Cleveland, O.
Milton Chemical Co., Cambridge, Mass. "B-B"
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
National Brush & Broom Co., Ridgeville, Ind. "Durabilt"
Neuberger (Andrew J.) Co., Boston, Mass. "Everlasto"
New Jersey Brush Mfg. Co., Inc., Bloomfield, N. J.
North Ridge Brush Co., Inc., Freeport, Ill.
Opie (J. W.) Brush Co., Kansas City, Mo.
Osborn Mfg. Co., Cleveland, O. "Black Bird," "Blue Handle," "Greenback," "Heavy Duty," "Old Faithful," "Veteran"
Passaic Brush & Broom Mfg. Co., Garfield, N. J.
Pirrung Mfg. Co., Chicago, Ill.
Pollock Brush Co., Easton, Pa.
Rhode Island Brush Co., Providence, R. I.
Rubico Brush Manufacturers, 34 Hubert, New York, N. Y.
Sanford Brush Co., Chicago, Ill.
Schaefer Brush Mfg. Co., Milwaukee, Wis.
Shane & Hays, 5300 21st Av., B'klyn, N. Y. "Shanday"
Silver-Chamberlin Co., Clayton, N. J.
Somerville Brush Co., Somerville, Mass.
Tate Mfg. Co., Boston, Mass.
U. S. Brush Co., Omaha, Neb.
Whiting-Adams Co., Boston, Mass.
Wizard, Inc., Chicago, Ill.
Woonsocket Brush Co., Woonsocket, R. I.
Wooster Brush Co., Wooster, O.

BRUSHES, Kalsomine
(See also Brushes, Paint and Varnish)

American Brush Mfg. Co., Portland, Ore. "Ambruco"
Bigelow Brush Co., Baltimore, Md. "Shield"
Bowditch-Packard Co., Inc., Boston, Mass.
Bromwell Brush Mfg. Co., Seymour, Ind.
Burton Brush Co., Cambridge, Mass.
Costello (J. S.) & Son Brush Co., St. Louis, Mo.
Dell (Samuel W.) & Co., Baltimore, Md.
Felton (S. A.) & Son Co., Manchester, N. H.
Gerts-Lumbard & Co., Inc., Chicago, Ill.
Hanlon & Goodman Co., 342 Madison Av., New York, N. Y.
Herbert Rattan Works, Kingston, N. Y. "Nu-Glo"
Maendler Brush Mfg. Co., Inc., St. Paul, Minn.
Michigan Brush Mfg. Co., Inc., Detroit, Mich. "Motor City"
National Brush Co., Aurora, Ill.
New Jersey Brush Mfg. Co., Inc., Bloomfield, N. J.
Ox Fibre Brush Co., Frederick, Md.
Pittsburgh Plate Glass Co., Brush Div., Baltimore, Md.

BRUSHES, Kalsomine (Continued)

Rennous-Kleinle Division Pittsburgh Plate Glass Co., Baltimore, Md. "Horseshoe"
Rubber & Celluloid Products Co., 56 Ferry, Newark, N. J.
Rubico Brush Manufacturers, 34 Hubert, New York, N. Y.
Shane & Hays, 5300 21st Av., B'klyn, N. Y. "Shanday"
Star Brush Mfg. Co., Inc., Hunters Point Av. & Manly, Long Island City, N. Y.
Whiting-Adams Co, Boston, Mass.
Wolfe Brush Co., Pittsburgh, Pa.
Wooster Brush Co., Wooster, Ohio. "Foss-set" "Ohio," "Shasta," "Ted-the-Tester"

BRUSHES, Milk Can

American Brush Mfg. Co., Portland, Ore. "Ambruco"
American Standard Mfg. Co., Chicago, Ill.
Auburn Brush Co., Columbia, Pa.
Bromell Brush Mfg. Co., Seymour, Ind.
Flour City Brush Co., Minneapolis, Minn.
Herold Bros. Co., Cleveland, O.
Indianapolis Brush & Broom Mfg. Co., Indianapolis, Ind. "Capital"
Kautenberg (W. E.) Co., Inc., Freeport, Ill.
Leiner (Geo. S.) & Co., 1250 Brook Av., New York, N. Y.
Mill-Rose Co., Cleveland, O.
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
North Ridge Brush Co., Inc., Freeport, Ill.
Opie (J. W.) Brush Co., Kansas City, Mo.
Osborn Mfg. Co., Cleveland, O.
Ox Fibre Brush Co., Frederick, Md.
Schaefer Brush Mfg. Co., Milwaukee, Wis.

BRUSHES, Mill

American Brush Mfg. Co., Portland, Ore. "Ambruco"
Auburn Brush Co., Columbia, Pa.
Bowditch-Packard Co., Inc., Boston, Mass.
Felton (S. A.) & Son Co., Manchester, N. H.
Flour City Brush Co., Minneapolis, Minn.
Gerts-Lumbard & Co., Inc., Chicago, Ill.
Holcomb (J. I.) Mfg. Co., Indianapolis, Ind.
Indianapolis Brush & Broom Mfg. Co., Indianapolis, Ind. "Capital"
Maendler Brush Mfg. Co., Inc., St. Paul, Minn.
Mason Brush Wks., Worcester, Mass.
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
New Jersey Brush Mfg. Co., Inc., Bloomfield, N. J.
Rhode Island Brush Co., Providence, R. I.
Warner (W. E.) & Co., 265 Canal, New York, N. Y.
Wolfe Brush Co., Penn Av. & Bidwell, N. S., Pittsburgh, Pa.
Woonsocket Brush Co., Woonsocket, R. I.

BRUSHES, Nail

Ames, Bonner Brush Co., Toledo, O. "A. B. C."
Bromwell Brush Mfg. Co., Seymour, Ind.
Burton Brush Co., Cambridge, Mass.
Du Pont (E. I.) de Nemours & Co., Wilmington, Del.
Flour City Brush Co., Minneapolis, Minn.
Hayes Duster & Brush Co., 64 Lispenard, New York, N. Y.
Hertzberg (H.) & Son, 41 E. 11th, New York, N. Y. "Cleansbest"
Hoyt (M. E.) Brush Co., Troy, N. Y.
Hygenia Brush Co., Worcester, Mass.
Kautenberg (W. E.) Co., Inc., Freeport, Ill.
Leiner (Geo. S.) & Co., 1250 Brook Av., New York, N. Y.
Mill-Rose Co., Cleveland, O.
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
New Jersey Brush Mfg. Co., Inc., Bloomfield, N. J.
North Ridge Brush Co., Inc., Freeport, Ill.
Ox Fibre Brush Co., Frederick, Md.
Silver-Chamberlin Co., Clayton, N. J.
Whiting-Adams Co., Boston, Mass.

BRUSHES, Paint and Varnish

Acme White Lead & Color Wks., Detroit, Mich.
American Brush Mfg. Co., Portland, Ore. "Ambruco"
Arrow Brush Co., Troy, N. Y.
Ascher, Leopold Co., 430 6th Av., New York, N. Y. "Century"
Auburn Brush Co., Columbia, Pa.
Baker Brush Co., 83 Grand, New York, N. Y.
Bigelow Brush Co., Baltimore, Md. "Artisan," "Shield"
Bowditch-Packard Co., Inc., Boston, Mass. "Packard"
Brightman Bros., New Bedford, Mass.
Bromwell Brush Mfg. Co., Seymour, Ind.
Burton Brush Co., Cambridge, Mass.
Carroll Bros. & Co., Baltimore, Md.
Clinton (E.) & Co., Inc., Phila., Pa.
Costello (J. S.) & Son Brush Co., St. Louis, Mo.
Dell (Samuel W.) & Co., Baltimore, Md.
Devoe & Raynolds Co., 1 W. 47th, New York, N. Y.
Du-All Mfg. Co., Geneva, O.
Erskine (James Lowe) Co., 100 Water, Bklyn, N. Y.
Felton (S. A.) & Son Co., Manchester, N. H. "Felton-Made"
Ferris, John, Jr., Albany, N. Y.
Flour City Brush Co., Minneapolis, Minn.
Flynn Bros., Troy, N. Y.
French (Sam'l H.) & Co., Inc., Phila., Pa.
Gatch Brush & Wire Goods Co., Baltimore, Md. "Oriole"
Gerts-Lumbard & Co., Inc., Chicago, Ill.
Hanlon & Goodman Co., 342 Madison Av., New York, N. Y. "Rubristo"
Herbert Rattan Works, Kingston, N. Y. "Nu-Glo"
Herold Bros. Co., Cleveland, O.
Looby, Wm. H., Centerbrook, Conn.
Lucas (John) & Co., Phila., Pa.
Maendler Brush Mfg. Co., Inc., St. Paul, Minn.
Michigan Brush Mfg. Co., Inc., Detroit, Mich. "Motor City"
Mill-Rose Co., Cleveland, O.
Minneapolis Brush Co., Minneapolis, Minn.
Morrison, John, Jr., Glens Falls, N. Y. "Marbloid"
New Jersey Brush Mfg. Co., Inc., Bloomfield, N. J.
Osborn Mfg. Co., Cleveland, O.
Passaic Brush & Broom Mfg. Co., Garfield, N. J.
Pitegoff Bros., 418 Broome, New York, N. Y.
Pittsburgh Plate Glass Co., Brush Div., Baltimore, Md. "Gold Stripe"
Pollock Brush Co., Easton, Pa.
Pushee (John C.) & Sons, Boston, Mass.
Ramus, C. F. W., East Boston, Mass.
Rennous-Kleinle Division Pittsburgh Plate Glass Co., Baltimore, Md. "Horseshoe"
Robinson, Edward E., 347 W. B'way, New York, N. Y. "Excelsior"
Rubber & Celluloid Products Co., 56 Ferry, Newark, N. J. "Rubberset"
Rubico Brush Manufacturers, 34 Hubert, New York, N. Y.
Schaefer Brush Mfg. Co., Milwaukee, Wis.
Shane & Hays, 5300 21st Av., B'klyn, N. Y. "Shanday"
Sheets (Wm. H.) Jr. Co., Baltimore, Md.
Sherwin-Williams Co., Cleveland, O.
Star Brush Mfg. Co., Inc., Hunters Point Av. & Manly, Long Island City, N. Y.
Thayer (P. E.) & Co., Pawtucket, R. I.
Thum, Chas. D., Phila., Pa.
Thurston (F. W.) Co., Chicago, Ill.
Tottle (Wm. A.) & Co., Baltimore, Md.
True Bros., Portland, Me.
United Brush Mfrs., 116 Wooster, New York, N.Y.
Warner (W. E.) & Co., 265 Canal, New York, N.Y.
Whiting-Adams Co., Boston, Mass.
Whittemore (W. L.) & Son, Hartford, Conn.
Wolfe Brush Co., Pittsburgh, Pa.
Wooster Brush Co., Wooster, O. "Foss-Set," "Ohio," "Shasta," "Ted-the-Tester"

BRUSHES, Paper Hangers'

Bigelow Brush Co., Baltimore, Md. "Shield"
Bowditch-Packard Co., Inc., Boston, Mass.
Burton Brush Co., Cambridge, Mass.
Costello (J. S.) & Son Brush Co., St. Louis, Mo.
Dell (Samuel M.) & Co., Baltimore, Md.
Devoe & Raynolds Co., Inc., 1 W. 47th, New York,
Du-All Mfg. Co., Geneva, O.
Flour City Brush Co., Minneapolis, Minn.
Gerts-Lumbard & Co., Inc., Chicago, Ill.
Hanlon & Goodman Co., 342 Madison Av., New York, N. Y.
Herbert Rattan Works, Kingston, N. Y. "Nu-Glo"
Maendler Brush Mfg. Co., Inc., St. Paul, Minn.
Metal Bound Brush & Broom Co., Cincinnati, O.
New Jersey Brush Mfg. Co., Inc., Bloomfield, N. J.
Opie (J. W.) Brush Co., Kansas City, Mo.
Ox Fibre Brush Co., Frederick, Md.
Pollock Brush Co., Easton, Pa.
Rennous-Kleinle Division Pittsburgh Plate Glass Co., Baltimore, Md. "Horseshoe"
Rubber & Celluloid Products Co., 56 Ferry, Newark, N. J. "Rubberset"
Shane & Hays, 5300 21st Av., B'klyn, N. Y. "Shanday"
Whiting-Adams Co., Boston, Mass.
Wooster Brush Co., Wooster, O. "Foss-Set," "Ohio," "Shasta," "Ted-the-Tester"

BRUSHES, Paste

Wooster Brush Co., Wooster, O. "Foss-Set," "Ohio," "Shasta," "Ted-the-Tester"

BRUSHES, Platers'

Felton (S. A.) & Son Co., Manchester, N. H.
Metal Bound Brush & Broom Co., Cincinnati, O.
Michigan Brush Mfg. Co., Inc., Detroit, Mich. "Motor City"
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
Osborn Mfg. Co., Cleveland, O.
Ox Fibre Brush Co., Frederick, Md.
Passaic Brush & Broom Mfg. Co., Garfield, N. J.
Pittsburgh Plate Glass Co., Brush Div., Baltimore, Md.
Rubber & Celluloid Products Co., 56 Ferry, Newark, N. J.
Torrington Brush Works, Torrington, Conn.

BRUSHES, Rifle—See Brushes, Firearms'

BRUSHES, Refrigerator

Hertzberg (H.) & Son, 41 E. 11th, New York, N.Y. "Cleansbest"
Kautenberg (W. E.) Co., Freeport, Ill.
Maxwell Brushes, Inc., 213 E. 144th, New York, N. Y.

BRUSHES, Roofing

American Brush Corp., Chicago, Ill.
Burton Brush Co., Cambridge, Mass.
Costello (J. S.) & Son Brush Co., St. Louis, Mo.
Devoe & Raynolds Co., Inc., 1 W. 47th, New York, N. Y.
Hanlon & Goodman Co., 342 Madison Av., New York, N. Y.
Herbert Rattan Works, Kingston, N, Y.
Indianapolis Brush & Broom Mfg. Co., Inc., Indianapolis, Ind.
Laitner (A.) & Sons, Detroit, Mich.
Lay (Joseph) Co., Portland, Ind.
Maendler Brush Mfg. Co., Inc., St. Paul, Minn.
Metal Bound Brush & Broom Co., Cincinnati, O.
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
Newark Brush Co., 241 South, Newark, N. J.
New Jersey Brush Mfg. Co., Inc., Bloomfield, N. J.
Ox Fibre Brush Co., Frederick, Md.
Precision Products Co., Merrick, L. I., N. Y.
Rennous-Kleinle Division Pittsburgh Plate Glass Co., Baltimore, Md. "Horseshoe"
Rubber & Celluloid Products Co., 56 Ferry, Newark, N. J.
Whiting-Adams Co., Boston, Mass.
Wolfe Brush Co., Pittsburgh, Pa.
Wooster Brush Co., Wooster, O. "Foss-Set," "Ohio," "Shasta," "Ted-the-Tester"

BRUSHES, Sanitary

Du-All Mfg. Co., Geneva, O.
Hertzberg (H.) & Son, 41 E. 11th, New York, N.Y. "Cleansbest"
Mill-Rose Co., Cleveland, O.
Osborn Mfg. Co., Cleveland, O.

BRUSHES, Scrubbing

American Brush Mfg. Co., Portland, Ore. "Ambruco"
American Standard Mfg. Co., Chicago, Ill.
Ames, Bonner Brush Co., Toledo, O. "A. B. C."
Auburn Brush Co., Columbia, Pa.
Blumenthal (H.) & Co., 241 Centre, New York, N.Y.
Bromwell Brush Mfg. Co., Seymour, Ind.
Burton Brush Co., Cambridge, Mass.
Dennis (W. J.) & Co., Chicago, Ill.
Du-All Mfg. Co., Geneva, O.
Felton (S. A.) & Son Co., Manchester, N. H. "Felton-Made"
Flour City Brush Co., Minneapolis, Minn.
Herold Bros. Co., Cleveland, O.
Hertzberg (H.) & Son, 41 E. 11th, New York, N.Y. "Cleansbest"
Holcomb (J. I.) Mfg. Co., Indianapolis, Ind.
India Brush & Mat Co., Detroit, Mich.
Indianapolis Brush & Broom Mfg. Co., Indianapolis, Ind. "Capital"
Metal Bound Brush & Broom Co., Cincinnati, O.
National Brush Co., Aurora, Ill.
New Jersey Brush Mfg. Co., Inc., Bloomfield, N. J. "Rajah"
North Ridge Brush Co., Freeport, Ill.
Opie (J. W.) Brush Co., Kansas City, Mo.
Osborn Mfg. Co., Cleveland, O.
Ox Fibre Brush Co., Frederick, Md. "Goose Brand"
Passaic Brush & Broom Mfg. Co., Garfield, N. J.
Pittsburgh Brush Co., Pittsburgh, Pa.
Pollock Brush Co., Easton, Pa.
Shane & Hays, 5300 21st Av., B'klyn, N. Y.
Silver-Chamberlin Co., Clayton, N. J.
Whiting-Adams Co., Boston, Mass.
Wolfe Brush Co., Pittsburgh, Pa.
Woonsocket Brush Co., Woonsocket, R. I.

BRUSHES, Shaving

American Safety Razor Corp., 303 Jay, B'klyn, N. Y. "Ever-Ready," "Star"
Ascher, Leopold Co., 430 6th Av., New York, N. Y. "Century"
Cattaraugus Cutlery Co., Little Valley, N. Y.
Erskine (James Lowe) Co., 100 Water, B'klyn, N.Y. "Solid Set"
Miles Bros. & Co., 2026 Pacific, B'klyn, N. Y.
North Ridge Brush Co., Freeport, Ill.
Rubber & Celluloid Products Co., 56 Ferry, Newark, N. J. "Rubberset"
Whiting-Adams Co., Boston, Mass.

BRUSHES, Shoe

Ames, Bonner Brush Co., Toledo, O. "A. B. C."
Auburn Brush Co., Columbia, Pa.
Barlow's Dusters, Inc., Watertown, Conn. (Wool)
Bromwell Brush Mfg. Co., Seymour, Ind.
Dennins (O.) Sons, Troy, N. Y.
Gilbert (E. T.) Mfg. Co., Rochester, N. Y. "Gilco"
Hayes Duster & Brush Co., 64 Lispenard, New York, N. Y.
Herbert Rattan Works, Kingston, N. Y.
Herold Bros. Co., Cleveland, O.
Hertzberg (H.) & Son, 41 E. 11th, New York, N. Y. "Cleansbest"
Hoyt (M. E.) Brush Corp., Troy, N. Y.
Kautenberg (W. E.) Co., Inc., Freeport, Ill.
Monroe Novelty Co., Rochester, N. Y.
National Brush Co., Aurora, Ill.
New Jersey Brush Mfg. Co., Inc., Bloomfield, N. J.
Osborn Mfg. Co., Cleveland, O.
Ox Fibre Brush Co., Frederick, Md.
Parks & Parks, Troy, N. Y. "Peoples"
Passaic Brush & Broom Mfg. Co., Garfield, N. J.
Pollock Brush Co., Easton, Pa.
Rubbersan Products, Inc., 251 W. 19th, New York, N. Y. "Nap Brush" (Rubber)
Shane & Hays, 5300 21st Av., B'klyn, N. Y.
Silver-Chamberlin Co., Clayton, N. J.
Thayer (P. E.) & Co., Pawtucket, R. I.
Whiting-Adams Co., Boston, Mass.

BRUSHES, Sink

Acme Metal Goods Mfg. Co., 2 Orange, Newark, N. J.
American Brush Mfg. Co., Portland, Ore. "Ambruco"
American Standard Mfg. Co., Chicago, Ill.
Biltwell Brush Co., Rockford, Ill.
Bookhop Broom & Brush Co., 451 38th, B'klyn, N.Y.
Flour City Brush Co., Minneapolis, Minn.
Hamblin & Russell Mfg. Co., Worcester, Mass. "H. & R."
Herold Bros. Co., Cleveland, O.
Hertzberg (H.) & Son, 41 E. 11th, New York, N. Y. "Cleansbest"
Hygenia Brush Co., Worcester, Mass.
Kautenberg (W. E.) Co., Inc., Freeport, Ill. "Universal"
Leiner (Geo. S.) & Co., 1250 Brook Av., New York, N. Y.
Maxwell Brush, Inc., 213 E. 144th, New York, N. Y.
Metal Bound Brush & Broom Co., Cincinnati, O.
Mill-Rose Co., Cleveland, O.
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
National Brush Co., Aurora, Ill.
Neuberger (Andrew J.) Co., Boston, Mass. "Everlasto"
North Ridge Brush Co., Inc., Freeport, Ill.
Opie (J. W.) Brush Co., Kansas City, Mo.
Osborn Mfg. Co., Cleveland, O.
Ox Fibre Brush Co., Frederick, Md.
Parker Wire Goods Co., Worcester, Mass.
Peerless Mfg. Co., New Durham, N. H.
Pilley Flue Brush Co., St. Louis, Mo.
Plunkett, Chas., 118 Warren, New York, N. Y. "Leader"
Shane & Hays, 5300 21st Av., B'klyn, N. Y.
Silver-Chamberlin Co., Clayton, N. J. "Nibco"
Washburn Company, Worcester, Mass.

BRUSHES, Soft Hair—See Brushes, Artists

BRUSHES, Stencil

American Brush Mfg. Co., Portland, Ore. "Ambruco"
Bigelow Brush Co., Baltimore, Md. "Shield"
Bowditch-Packard Co., Inc., Boston, Mass.
Bradley (A. J.) Mfg. Co., 101 Beekman, New York, N. Y.
Burton Brush Co., Cambridge, Mass.
Costello (J. S.) & Son Brush Co., St. Louis, Mo.
Devoe & Raynolds Co., 1 W. 47th, New York, N. Y.
Dickey Grabler Co., Cleveland, O.
Display Material Co., St. Paul, Minn.
Flour City Brush Co., Minneapolis, Minn.
Gerts-Lumbard & Co., Inc., Chicago, Ill.
Hanlon & Goodman Co., 342 Madison Av., New York, N. Y. "Perfection"
Herbert Rattan Works, Kingston, N. Y. "Nu-Glo"
Ideal Stencil Mach. Co., Belleville, Ill.
Miles Bros. & Co., 2026 Pacific, B'klyn, N. Y.
Opie (J. W.) Brush Co., Kansas City, Mo.
Osborn Mfg. Co., Cleveland, O.
Parks & Parks, Troy, N. Y.
Rubber & Celluloid Products Co., 56 Ferry, Newark, N. J.
Schaefer Brush Mfg. Co., Milwaukee, Wis.
Shane & Hays, 5300 21st Av., B'klyn, N. Y. "Shanday"
Tottle (Wm. A.) & Co., Baltimore, Md.
Whiting-Adams Co., Boston, Mass.
Wooster Brush Co., Wooster, O.

BRUSHES, Stove

Auburn Brush Co., Columbia, Pa.
Bromwell Brush Mfg. Co., Seymour, Ind.
Burton Brush Co., Cambridge, Mass.
Dennins' (O.) Sons, Troy, N. Y.
Herold Bros. Co., Cleveland, O.
Hygenia Brush Co., Worcester, Mass.
Kautenberg (W. E.) Co., Inc., Freeport, Ill. "Universal"
National Brush Co., Aurora, Ill.
Opie (J. W.) Brush Co., Kansas City, Mo.
Osborn Mfg. Co., Cleveland, O.
Ox Fibre Brush Co., Frederick, Md.
Passaic Brush & Broom Mfg. Co., Garfield, N. J.
Pollock Brush Co., Easton, Pa.
Silver-Chamberlin Co., Clayton, N. J. "Nibco"
Whiting-Adams Co., Boston, Mass.

BRUSHES, Stucco

American Brush Mfg. Co., Portland, Ore. "Ambruco"
Burton Brush Co., Cambridge, Mass.
Flour City Brush Co., Minneapolis, Minn.
Maendler Brush Mfg. Co., Inc., St. Paul, Minn.
Rennous-Kleinle Division Pittsburgh Plate Glass Co., Baltimore, Md. "Horseshoe"
Rubber & Celluloid Products Co., 56 Ferry, Newark, N. J.
Shane & Hays, 5300 21st Av., B'klyn, N. Y. "Shanday"
Whiting-Adams Co., Boston, Mass.
Wooster Brush Co., Wooster, O. "Foss-Set," "Ohio," "Shasta," "Ted-the-Tester"

BRUSHES, Toilet Bowl

Hertzberg (H.) & Son, 41 E. 11th, New York, N. Y. "Cleansbest"
Kautenberg (W. E.) Co., Freeport, Ill.
Leiner (Geo. S.) & Co., 1250 Brook Av., New York, N. Y.
Maxwell Brushes, Inc., 213 E. 144th, New York, N. Y.
New Jersey Brush Mfg. Co., Inc., Bloomfield, N. J.
Osborn Mfg. Co., Cleveland, O.
Whiting-Adams Co., Boston, Mass.
Wolfe Brush Co., Pittsburgh, Pa.

BRUSHES, Varnish—See Brushes, Paint and Varnish

BRUSHES, Whitewash—See Brushes, Kalsomine; also Brushes, Paint and Varnish

BRUSHES, Window

American Brush Mfg. Co., Portland, Ore. "Ambruco"
American Standard Mfg. Co., Chicago, Ill.
Auburn Brush Co., Columbia, Pa.
Blumenthal (H.) & Co., 241 Centre, New York, N.Y.
Bowditch-Packard Co., Inc., Boston, Mass.
Bromwell Brush Mfg. Co., Seymour, Ind.
Burton Brush Co., Cambridge, Mass.
Carroll Bros. & Co., Baltimore, Md.
Flour City Brush Co., Minneapolis, Minn.
Gerts-Lumbard & Co., Inc., Chicago, Ill.
Hayes Duster & Brush Co., 64 Lispenard, New York, N. Y.
Herbert Rattan Works, Kingston, N. Y.
Hoag Duster Co., Monticello, Ia.
Holcomb (J. I.) Mfg. Co., Indianapolis, Ind.
Kautenberg (W. E.) Co., Inc., Freeport, Ill. "Universal"
Leiner (Geo. S.) & Co., 1250 Brook Av., New York, N. Y.
Maxwell Brushes, Inc., 213 E. 144th, New York, N. Y.
Metal Bound Brush & Broom Co., Cincinnati, O.
Michigan Brush Mfg. Co., Inc., Detroit, Mich. "Motor City"
Mill-Rose Co., Cleveland, O.
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
New Jersey Brush Mfg. Co., Inc., Bloomfield, N. J.
North Ridge Brush Co., Inc., Freeport, Ill.
Opie (J. W.) Brush Co., Kansas City, Mo.
Osborn Mfg. Co., Cleveland, O.
Ox Fibre Brush Co., Frederick, Md.
Passaic Brush & Broom Mfg. Co., Garfield, N. J.
Patent Novelty Co., Inc., Fulton, Ill.
Pittsburgh Plate Glass Co., Brush Div., Baltimore, Md.
Pollock Brush Co., Easton, Pa.
Rhode Island Brush Co., Providence, R. I.
Schaefer Brush Mfg. Co., Milwaukee, Wis.
Shane & Hays, 5300 21st Av., B'klyn, N. Y. "Shanday"
Silver-Chamberlin Co., Clayton, N. J.
Thayer (P. E.) & Co., Pawtucket, R. I.
Tottle (Wm. A.) & Co., Baltimore, Md.
Whiting-Adams Co., Boston, Mass.
Woonsocket Brush Co., Woonsocket, R. I.
Wooster Brush Co., Wooster, O.

BRUSHES, Wire, Steel

American Brush Corp., Chicago, Ill.
American Brush Mfg. Co., Portland, Ore. "Ambruco"
Battery Equipment & Supply Co., Chicago, Ill. "Besco"
Bigelow Brush Co., Baltimore, Md. "Shield"
Blumenthal (H.) & Co., 241 Centre, New York, N. Y.
Bridgeport Screw Co., Bridgeport, Conn.
Browne, F. W., Farmington, N. H.
Coleman (Allan J.), Chicago, Ill.
Dearborn Mfg. Co., Chicago, Ill.
Dennis (W. J.) & Co., Chicago, Ill.
Felton (S. A.) & Son Co., Manchester, N. H.
Flour City Brush Co., Minneapolis, Minn.
French (Sam'l H.) & Co., Inc., Phila., Pa.
Hayes Duster & Brush Co., 64 Lispenard, New York, N. Y.
Herold Bros. Co., Cleveland, O.
Hoag Duster Co., Monticello, Ia.
Indianapolis Brush & Broom Mfg. Co., Indianapolis, Ind. "Capital"
Jelliff (Geo. H.) & Son, New Canaan, Conn.
Mahler (P.) & Sons, 299 Pearl, New York, N. Y.
Manufacturers Brush Co., Cleveland, O.
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
Opie (J. W.) Brush Co., Kansas City, Mo.
Osborn Mfg. Co., Cleveland, O. "Economy," "Master," "Monitor"
Passaic Brush & Broom Mfg. Co., Garfield, N. J.
Peerless Mfg. Co., New Durham, N. H.
Pilley Flue Brush Co., St. Louis, Mo.
Pittsburgh Plate Glass Co., Brush Div., Baltimore, Md. "Springclean"
Ridgely Trimmer Co., Springfield, O.
Rinn (Albert E.) Co., Allentown, Pa. "Samson"
Schaefer Brush Mfg. Co., Milwaukee, Wis.
Shane & Hays, 5300 21st Av., B'klyn, N. Y.
Stevens Walden, Inc., Worcester, Mass.
Stortz (John) & Son, Phila., Pa.
U. S. Brush Co., Omaha, Neb.
United States Electrical Tool Co., Cincinnati, O.
Washburn Company, Worcester, Mass.
Wooster Brush Co., Wooster, O.
Worcester Brush & Scraper Co., Worcester, Mass.

BUBBLE BLOWERS—See Blowers, Bubble

BUCK SAWS—See Saws, Buck

BUCK SHOT—See Shot, Lead

BUCKET PUMPS—See Pumps, Bucket

BUCKETS, Grease

Gem Mfg. Co., Pittsburgh, Pa.
Rose (Frank) Mfg. Co., Hastings, Neb.
Stuber & Kuck Co., Peoria, Ill.
Wall (P.) Mfg. Supply Co., 3126-3166 Preble Av., Pittsburgh, Pa.
Wheeling Corrugating Co., Wheeling, W. Va.

BUCKETS, Minnow—See Pails, Minnow

BUCKETS, Pump, Leather

Myers (F. E.) & Bro. Co., 902 Church, Ashland, O.

BUCKETS, Pump, Rubber

Chain Products Co., 3290 Cooper Av., Cleveland, O.
Crosby Co., Cuba, N. Y. "Queen"
Star Bucket Pump Co., St. Louis, Mo. "Cooper," "Rex"

BUCKETS, Well

Atlantic Stamping Co., Rochester, N. Y. (Galvanized)
Jackes-Evans Mfg. Co., St. Louis, Mo. (Galvanized, Bored)
National Enameling & Stamping Co., Milwaukee, Wis.
Reeves Mfg. Co., Dover, O.
Union Cooperage Co., St. Louis, Mo. "Novelty," "U. C."

BUCKETS, Wooden—See Pails and Buckets, Wooden

BUCKLES, Bale

Acme Steel Co., Chicago, Ill.
American Nut & Bolt Fastener Co., Pittsburgh, Pa.
Cary Products Co., Inc., 126 Nassau, B'klyn, N. Y.
Oliver Iron & Steel Co., Pittsburgh, Pa.
Stanley Wks., New Britain, Conn.

BUCKLES, Harness

Eberhard Mfg. Co., Cleveland, O.
Elbel Co., Canton, O. "Owl"
Felton (S. A.) & Son Co., Manchester, N. H.
Imperial Bit & Snap Co., Racine, Wis.
Jenkinson (R. C.) & Co., 293 Washington, Newark, N. J.
Midland Co., South Milwaukee, Wis. "Economy," "Hanisch"
North & Judd Mfg. Co., New Britain, Conn. "Tungard"
Russell (Jno. M.) Mfg. Co., Inc., Naugatuck, Conn.
Stanley Wks., New Britain, Conn. (Back Band)
Steffens-Amberg Co., 262 Morris Av., Newark, N. J.
U. S. Hame Co., Buffalo, N. Y.
Waterbury Button & Mfg. Co., Waterbury, Conn.

BUCKLES, Turn—See Turnbuckles

BUCKS, Saw

Berg (John) Mfg. Co., Chicago, Ill.
Clark (J. R.) Co., Minneapolis, Minn.
Disston (Henry) & Sons, Inc., (Tacony), Phila., Pa.
Hutchins & Hutchinson, Bristol, N. H.
Stearns Rake Co., East Johnson, Vt.

BUFFERS, Manicure—See Sets, Manicure

BUFFING BRUSHES—See Brushes, Buffing

BUFFING WHEELS—See Wheels, Polishing

BUGS, Fishing—See Flies, Fishing

BUILDERS' BOARDS, Composition—See Boards, Wall

BUILDERS' HARDWARE—See article desired

BUILDERS' HARDWARE, WROUGHT IRON—See Wrought Iron, Hardware

BUILDERS' TOOLS and SUPPLIES—See article desired

BUILDING BLOCKS, Stone, Toy—See Blocks, Building, Stone, Toy

BUILDING BLOCKS, Wood, Toy—See Blocks, Building, Wood, Toy

BUILDING CORNERS—See Corners, Building

BUILDING PAPER—See Paper, Roofing, Sheathing and Building

BUILDING SHEATHING—See Sheathing, Building

BULBS, Electric—See Lamps or Bulbs, Electric

BULL CHAINS—See Ties, Cattle

BULL NOSE PUNCHES—See Punches, Nose, Bull

BULL NOSE RINGS—See Rings, Nose, Bull

BULL PENS—See Pens, Bull

BULL POINTS—See Points, Bull

BULL STAFFS, Leading—See Staffs, Bull

BULL STANCHIONS—See Stall & Stanchions, Cow and Bull

BULL TIES—See Ties, Cattle and Horse

BUMPERS, Rubber, Closet Seat

Barwood (L. F.) Mfg. Co., Stoneham, Mass.
Canfield (H. O.) Co., Bridgeport, Conn.
Canfield Rubber Co., Bridgeport, Conn.
Diamond Rubber Co., Inc., Akron, O.
Elastic Tip Co., Boston, Mass.
Good Mfg. Co., 305 E. 134th, New York, N. Y.
Goodrich (B. F.) Co., Akron, O.
Lavelle Rubber Co., Chicago, Ill. "Lucky Strike"
Long (Adam A.), Rochester, N. Y. "Quick Detachable"
Miller (Robert E.), Inc., 35 Pearl, New York, N. Y. "Remco"
Quaker City Rubber Co., Phila., Pa.
Republic Rubber Co., Youngstown, O.
Rodale Mfg. Co., Emaus, Pa.
Schacht Rubber Mfg. Co., Huntington, Ind.
U. S. Rubber Co., 1790 B'way, New York, N. Y.
Western Rubber Co., Goshen, Ind.
Williams-Bowman Rubber Co., Cicero, Ill. "Wilbow"

BUNCHING TWINE—See Twine, Jute

BUNG HOLE BORERS—See Borers, Bung Hole

BUNG SPOUTS—See Spouts, Bung

BUNG STARTERS—See Starters, Bung

BUNGALOW MAIL BOXES—See Boxes, Mail, Bungalow

BUNGS, Barrel, Keg, Etc.

Acme Cork Co., 899 Third Av., New York, N. Y.
Bogart & Hopper, Inc., 223 Varick, New York, N. Y.
Colwell Cooperage Co., Foot Jersey Av., Jersey City, N. J.
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Fischer (J. B.) Co., Chicago, Ill.
Gem Mfg. Co., Bascom, O.
Home Barrel & Keg Wks., Chicago, Ill.
Redlich Mfg. Co., Chicago, Ill.
Stiles (H. A.) & Co., Boston, Mass.

BUNGS, Keg—See Bungs, Barrel

BUNSEN BURNERS—See Burners, Bunsen

BUOYS, Mooring, Etc.

Armstrong Cork Co., Lancaster, Pa.
Atlantic-Pacific Mfg. Corp., 128 Atlantic Av., B'klyn, N. Y.
Biertuempfel Bros. Cork Specialty Co., 37 Av. L., Newark, N. J.
Kellogg (M. W.) Co., 90 West, New York, N. Y.
Koven (L. O.) & Bro., 154 Ogden Av., Jersey City, N. J.
Laughlin (Thos.) Co., Portland, Me.
Marine Mfg. & Supply Co., New Brunswick, N. J.
National Marine Lamp Co., Forestville, Conn.
Pneumatic Mfg. Co., 123 Pacific, B'klyn, N. Y.
Riter-Conley Co., Oliver Bldg., Pittsburgh, Pa.
Wilcox, Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.

BURLAP

Daniels (C. R.) Inc., 101 Crosby, New York, N. Y.
Fulton Bag & Cotton Mills, Inc., 330 Wythe Av., B'klyn, N. Y.
Werner Canvas Products Co., 2 Water, B'klyn, N. Y.

BURLAP BAGS—See Bags, Burlap

BURNER TIPS—See Tips, Gas Burner

BURNERS, Bunsen

Hones (Chas. A.) Inc., Baldwin, L. I., N. Y. "Buzzer"
Ironton Stove & Mfg. Co., Ironton, O.
Johnson Gas Appliance Co., Cedar Rapids, Ia.

BURNERS, Garbage—See Incinerators, also Burners, Rubbish

BURNERS, Gas

Aldrich Mfg. Co., Buffalo, N. Y.
Century Mfg. Co., 35 Heyward, B'klyn, N. Y.
Century Stove & Mfg. Co., Johnstown, Pa.
Coleman Lamp & Stove Co., Wichita, Kan. "Utility"
Favorite Stove & Range Co., Piqua, O. "Blue Streak"
Hones (Chas. A.), Inc., Baldwin, L. I., N. Y. "Buzzer"
Hugo Mfg. Co., Duluth, Minn. "Hawks"
Odin Stove Mfg. Co., Erie, Pa. (Stove)
Pennsylvania Furnace & Iron Co., Warren, Pa.
Quick Meal Stove Co., St. Louis, Mo.

BURNERS, Lamp, Kerosene

Bradley & Hubbard Mfg. Co., Meriden, Conn.
Bridgeport Brass Co., Bridgeport, Conn.
Dust Sprayer Mfg. Co., Kansas City, Mo.
Miller (Edw.), & Co., Meriden, Conn. "Apollo," "Dual," "Excelsior," "Favorite," "Hero," "Jewell," "Lard Oil," "Lenith," "Niagara," "Perfection," "Simplex," "Solar," "Stellar," "Sun," "Vesta," "Venus," "Victor"
Plume & Atwood Mfg. Co., Waterbury, Conn.
Polhemus (L. E.) Co., Miami, Ariz. "Polly"
Rochester Headlight Wks., Rochester, N. Y.
Scovill Mfg. Co., Waterbury, Conn. "Queen Ann"
Wheeling Stamping Co., Wheeling, W. Va. "Champion," Paull," "Premier," "Regal," "Safety," "White Light Mantle"

BURNERS, Oil, Cook Stove and Range

American Gas Machine Co., Inc., Albert Lea, Minn. "Kitchen Kook"
Automatic Burner Corp., Chicago, Ill. "A B C," "Kleen-Heet," "Queen"
Bunsen Oil Burner Co., Hartford, Conn.
Day Burner Co., Inc., Minneapolis, Minn.
Florence Stove Co., Gardner, Mass.
Hayes-Custer Stove & Furnace Co., Bloomington, Ill. "Normal"
International Heating Co., St. Louis, Mo.
Lillibridge, C. C., Hutchinson, Kan.
Motor Wheel Corp., Lansing, Mich.
North American Heating Corp., Nassau, N. H.
Oil King Burner Co., New Haven, Conn.
Quaker Mfg. Co., Chicago, Ill.
Schurs Oil Burner Co., Los Angeles, Cal.
Silent Glow Oil Burner Corp., Hartford, Conn.
Tower Mfg. Corp., Boston, Mass.
Townsend Burner Div. of Alaska Freezer Co., Inc., Winchendon, Mass.

BURNERS, Oil, House-Heating

Anchor Post Fence Co., Baltimore, Md. (Fluid Heat)
Automatic Burner Corp., Chicago, Ill. "A B C," "Kleen-Heet," "Queen"
Bettendorf Mfg. Co., Bettendorf, Ia.
Bunsen Oil Burner Corp., Hartford, Conn.
Carborundum Co., Perth Amboy, N. J. "Carboradiant"
Century Engineering Corp., Cedar Rapids, Ia.
Chalmers Oil Burner Co., Minneapolis, Minn.
Cleveland Steel Products Corp., Cleveland, O. "Toridheet"
Combustion Oil Burner Co., Milwaukee, Wis.
Crystal Oil Burner Corp., Irvington, N. J. "Crystal Blue Flame"
Electrol Inc., 227 E. 45th, New York, N. Y.
Enterprise Oil Burner Co., San Francisco, Cal.
Fluid Heat, Inc., Baltimore, Md.
Franklin Oil Heating, Inc., Columbus, O. "Ben Franklin"
General Electric Co., Schenectady, N. Y.
Grant Oil Burner Corp., 743 Communipaw Av., Jersey City, N. J.
Hardinge Bros., Inc., Chicago, Ill.
Hart Oil Burner Corp., Peoria, Ill.
Holby Burner Corp., 300 4th Av., New York, N. Y.
Howe (Willis W.) Co., Kansas City, Mo. "Royal"
International Burners Corp., 225 W. 34th, New York, N. Y. "Caloroil," "Crescent," "Victory"
International Heating Co., St. Louis, Mo.
Johnson (S. T.) Co., Oakland, Cal.
Kleen-Heet, Chicago, Ill.
Laco Oil Burner Co., Griswold, Ia.
Lassen & Bissell, Inc., Hartford, Conn. "United States"
Lillibridge, C. C., Hutchinson, Kans.
Malleable Iron Fittings Co., Branford, Conn. "Branford"
May Oil Burner Corp., Baltimore, Md. "Quiet May"
Mayflower Oil Burner Corp., 5002 Hudson Blvd., West New York, N. J.
Mid-West Oil Burner Mfg. Co., Chicago, Ill.
Miller (E. L.) Mfg. Co., Kansas City, Mo. "Mazda-Climax," "Non-Clog"
Motor Wheel Corp., Lansing, Mich. "Piatt"
McIlvaine Burner Corp., Evanston, Ill.
National Airoil Burner Co., Phila., Pa.
Nu-Way Corp., Rock Island, Ill.
Oil-American Burner Corp., Roselle Park, N. J. "Carter-Korth"
Oil-Elec-tric Engineering Corp., Minneapolis, Minn.
Oil King Burner Co., New Haven, Conn.
Perfection Stove Co., 7609 Platt Av., Cleveland, O. "New Perfection"
Petroleum Heat & Power Co., Stamford, Conn.
Quaker Mfg. Co., Chicago, Ill.
Ray Burner Co., San Francisco, Cal.
Rayfield Mfg. Co., Chicago, Ill.
Ryan, Scully & Co., Phila., Pa. "R-S"
Silent Automatic Corp., Detroit, Mich.
Silent Glow Oil Burner Corp., Hartford, Conn.
Silent Sioux Oil Burner Corp., Orange City, Ia.
Simplex Oil Heating Corp., 30 Church, New York, N. Y.
Standard Engineering Wks., St. Louis, Mo.
Summerheat Corp. of America, Dowagiac, Mich.
Sundstrand Engineering Co., Rockford, Ill.
Super Oil Heater Sales Co., Hartford, Conn.
Sword & Kimber Co., Phila., Pa.
Timken-Detroit Co., Detroit, Mich.
Tower Mfg. Corp., Boston, Mass.
Wayne Oil Burner Corp., Fort Wayne, Ind.
Williams Oil-O-Matic Heating Corp., Bloomington, Ill.
York Oil Burner Co., Inc., York, Pa.

BURNERS, Rubbish

American Can Co., 230 Park Av., New York, N. Y.
Bornside (H. B.) Providence, R. I. "Skyscraper"
Boyle Mfg. Co., Los Angeles, Cal. "Boyco"
Brown (H. L.) Fence & Mfg. Co., Cincinnati, O. "Norwood"
Capital Wire Co., Madison, Wis.
Covert (H. W.) Co., 229 E. 37th, New York, N. Y.
Cribben & Sexton Co., Chicago, Ill. "Universal"
Cyclone Fence Co., Waukegan, Ill. "Burnit," "Catch All," "Red Tag"
Donley Bros. Co., Cleveland, O.
Durlach Can & Iron Wks., 234 Bridge, Bklyn., N. Y.
Gabriel Steel Co., Detroit, Mich.
Grand Rapids Wire Products Co., Grand Rapids, Mich. (Collapsible)
Harrington & King Perforating Co., Chicago, Ill. "King"
Hart & Cooley Mfg. Co., Chicago, Ill.
Ideal Can Co., Everett, Mass.
Keystone Wire Matting Co., Beaver Falls, Pa. "Ideal"
Ledden Incinerator Co., Inc., Ridgway, Pa. "Empty Dumpty"
MacLeod Co., Cincinnati, O.
Malleable Steel Range Mfg. Co., South Bend, Ind. "Yard Boy"
Massillon Wire Basket Co., Massillon, O. "Daisy"
Mid-West Metal Products Co., Muncie, Ind.
Milwaukee Tank Wks., Milwaukee, Wis. "Household"
Municipal Products Co., 2511 Grand Central Terminal Bldg., New York, N. Y. (Imitation Tree Trunk))
National Enameling & Stamping Co., Milwaukee, Wis.
Neenah Brass Wks., Neenah, Wis. "Ranz"
Northwest Metal Products, Inc., Seattle, Wash. "Norwesco"
Norwich Wire Wks., Inc., Norwich, N. Y.
Page Steel & Wire Co., Monessen, Pa.
Reeves Mfg. Co., Dover, O.
Robertson (W. F.) Steel & Iron Co., Cincinnati, O. "Norwood"
Rochester Can Co., Rochester, N. Y. "Iron Horse"
Set Sales Corp., 62 W. 14th, New York, N. Y. "Burn All"
Sexton Can Co., Everett, Mass. "Ajax"
Standard Wire & Tube Co., Mineral Ridge, O. "Just Right"
Union Steel Products Co., Albion, Mich. "Safe-T"
United Steel & Wire Co., Battle Creek, Mich. "Collapsible"
Washburn Company, Worcester, Mass.
Wheeling Corrugating Co., Wheeling, W. Va.
Wickwire Spencer Steel Co., 41 E. 42nd, New York, N. Y.
Worcester Wire Novelty Co., Inc., Baltimore, Md. "Hold-Em"

BURNING BRANDS—See Brands, Burning

BURNISHERS

Fox Supply Co., Brooklyn, Wis.
Kilborn & Bishop Co., New Haven, Conn. "Green Line"
Sandvik Saw & Tool Corp., Minneapolis, Minn. "Shark" (Imported)
Tuck Mfg. Co., Brockton, Mass.

BURRS—See also Rivets

BURRS, Brass—See Burrs, Copper and Brass

BURRS, Copper and Brass

Atlas Tack Corp., Fairhaven, Mass.
Champion Brass Wks., Kendallville, Ind. (Copper)
Chase Brass & Copper Co., Waterbury, Conn.
Clendenin Bros., Inc., Baltimore, Md.
Hussey (C. G.) & Co., Pittsburgh, Pa. (Copper)
North American Copper Co., 52 Vanderbilt Av., New York, N. Y.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Reed & Prince Mfg. Co., Worcester, Mass.
Revere Copper & Brass, Inc., 230 Park Av., New York, N. Y.
Shelton Tack Co., Shelton, Conn.
Stimpson (Edwin B.) Co., 70 Franklin Av., Bklyn., N. Y.
Townsend Co., New Brighton, Pa.
United Screw & Bolt Corp., Cleveland, O.
Waterbury Brass Goods Corp., Waterbury, Conn.
Wrought Washer Co., Milwaukee, Wis.

BURRS and RIVETS, Iron

Atlas Tack Corp., Fairhaven, Mass.
Autoscrew Co., 355 W. B'way, New York, N. Y. (Monel Metal)
Clark Bros. Bolt Co., Noble Road, Milldale, Conn.
Interstate Iron & Steel Co., Chicago, Ill. "Swastika"
Joliet Wrought Washer Co., Joliet, Ill.
Master Products Co., Cleveland, O. (Burrs)
Reed & Prince Mfg. Co., Worcester, Mass.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y. "Empire"
Stanley Wks., New Britain, Conn.
Townsend Co., New Brighton, Pa.
Tubular Rivet & Stud Co., Boston, Mass.
United Screw & Bolt Corp., Cleveland, O.
Wrought Washer Co., Milwaukee, Wis.

BUSH HOOKS—See Hooks, Bush

BUSHES, Rose

Arcadia Rose Co., Newark, N. Y. "Certi-Fed," "Fertil-Potted"
Economy Nursery Co., Little Silver, N. J. "Gro-Pac"
Wilson (C. E.) & Co., Inc., Manchester, Conn. "Seal Kraft"

BUTCHERS' BLOCK SCRAPERS—See Scrapers, Butchers' Block

BUTCHERS' BRUSHES—See Brushes, Bakers' & Butchers'

BUTCHERS' CLEAVERS—See Cleavers

BUTCHERS' KNIVES—See Knives, Butchers'

BUTCHERS' SAW BLADES—See Blades, Butchers' Saw

BUTCHERS' SAW FRAMES—See Frames, Butchers' Saw

BUTCHERS' SAWS—See Saws, Butchers'

BUTCHERS' SCALES—See Scales, Counter

BUTCHERS' SPLITTERS—See Splitters, Butchers'

BUTCHERS' STEELS—See Steels, Knife Sharpening

BUTCHERS' TOOL—See article desired

BUTT CHAINS—See Chains, Butt

BUTT HINGES—See Hinges, Butt

BUTTER KNIVES—See Knives Butter

BUTTER MOLDS—See Molds, Butter

BUTTERISES, Blacksmith

Hess (Chas.) Co., 49-14 Metropolitan Av., Bklyn., N. Y.

BUTTONS, Door
(See also Pulls, Door)

American Brass Goods Co., Grand Rapids, Mich.
Arcade Mfg. Co., Freeport, Ill.
Corbin (P. & F.) New Britain, Conn.
Fernald Mfg. Co., North East, Pa.
Fiwale Equipment Mfg. Co., Inc., 64 Reade, New York, N. Y.
Grey Iron Casting Co., Mt. Joy, Pa.
Griffin Mfg. Co., Erie, Pa.
Lawrence Bros., Sterling, Ill.
Lockwood Mfg. Co., S. Norwalk, Conn.
National Brass Co., Grand Rapids, Mich. "Essential"
Ney Mfg. Co., Canton, O.
Norwalk Lock Co., 12 Warren, New York, N. Y.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa. (Push)
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.
Sharon Hardware Mfg. Co., Sharon, Pa.
Shelby Spring Hinge Co., Shelby, O.
Stanley Wks., New Britain, Conn.
Stearns (E. C.) & Co., Syracuse, N. Y. "Stearns Ecsco"
Stevenson Mfg. Co., South Bend, Ind.
Stover Mfg. & Engine Co., Freeport, Ill.
Waterbury Button Corp., Waterbury, Conn.
Watrous-Acme Mfg. Co., Des Moines, Ia.

BUTTONS, Handles and Knobs, China

Alliance Vitrified China Co., Alliance, O. "Avco"
Douglas (John) Co., Cincinnati, O.
Empire China Works, 156 Greene, Bklyn., N. Y.
Hutter (Karl) Inc., 241 Lafayette, New York, N. Y.
Maddock's Sons Co., Trenton, N. J.
Peach Porcelain Co., East Liverpool, O. (Stove)
Scovill Mfg. Co., Plumbers' Brass Goods Div., Waterville, Conn.
Standard Sanitary Mfg. Co., Pittsburgh, Pa.
Trenton Potteries Co., Trenton, N. J.

BUTTONS, Push

Auth Electrical Specialty Co., Inc., 322 E. 53rd New York, N. Y.
Corbin (P. & F.) New Britain, Conn.
Detroit Hardware Mfg. Co., Detroit, Mich.
Edwards & Co., Exterior & 140th, New York, N. Y. "Bronx"
Goldhill Hardware Mfg. Co., Los Angeles, Cal.
Ideal Clamp Mfg. Co., 200 Bradford, Bklyn., N. Y.
Keil (Francis & Son, 401 E. 163rd, New York, N. Y.
Lockwood Mfg. Co., S. Norwalk, Conn.
Luminte Corp., 53 Johnson, Newark, N. J. (Luminous)
McKinney Mfg. Co., Pittsburgh, Pa. (Electric)
Morse (F. W.) Co., Boston, Mass.
Norwalk Lock Co., 12 Warren, New York, N. Y.
Ostrander (W. R.) Elec. Wks., Inc., 911 Atlantic Av., Bklyn., N. Y.
Reading Hdw. Co., Reading, Pa. (Door)
Sargent & Co., New Haven, Conn.
Union Hdw. Co., Torrington, Conn.
Yale & Towne Mfg. Co., Stamford, Conn.

BUTTS, Cabinet—See Hinges, Cabinet

BUTTS, Casement—See Hinges, Window, Casement

BUTTS, Door—See Hinges, Butt

BUTTS, Furniture—See Hinges, Cabinet

BUTTS, Steel

Corbin Cabinet Lock Co., New Britain, Conn.
Frantz Mfg. Co., Sterling, Ill.
Frost (C. L.) & Son, Grand Rapids, Mich.
Griffin Mfg. Co., Erie, Pa.
Hager (C.) & Sons Hinge Mfg. Co., St. Louis, Mo.
Lockwood Mfg. Co., South Norwalk, Conn.
McKinney Mfg. Co., Pittsburgh, Pa.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sager Lock Works, N. Chicago, Ill.
Sargent & Co., New Haven, Conn.
Sogs Mfg. Co., Roselle, N. J.
Stanley Wks., New Britain, Conn.

BUZZERS, ELECTRIC—See Bells and Buzzers, Electric

CABBAGE CORERS—See Corers, Cabbage

CABINET BUTTS—See Hinges, Cabinet

CABINET HARDWARE
(See also article desired)

American Ring Co., Waterbury, Conn.
American Specialty Co., Bridgeport, Conn.
Artistic Bronze Co., Bridgeport, Conn.
Bassick Co., Bridgeport, Conn.
Beardsley & Wolcott Mfg. Co., Waterville, Conn.
Brainerd Mfg. Co., E. Rochester, N. Y.
Brass Goods Mfg. Co., 345 Eldert, Bklyn., N. Y.
Bulman (E. O.) Mfg. Co., Inc., Grand Rapids, Mich.
Chicago Hdw. Foundry Co., N. Chicago, Ill.
Coleman Hdw. Co., Inc., Chicago, Ill.
Corbin Cabinet Lock Co., New Britain, Conn.
Corbin, P. & F., New Britain, Conn.
Fiwale Equipment Mfg. Co., Inc., 64 Reade, New York, N. Y.
Foster, Merriam & Co., Meriden, Conn.
Frantz Mfg. Co., Sterling, Ill.
Grand Rapids Brass Co., Grand Rapids, Mich.
Griffin Mfg. Co., Erie, Pa.
Guerin (P. E.), Inc., 21 Jane, New York, N. Y.
Keil (Francis) & Son, Inc., 401 E. 163rd, New York, N. Y.
Keystone Friction Hinge Co., Williamsport, Pa.
Knape & Vogt Mfg. Co., Grand Rapids, Mich.
Loeffelholz Co., Milwaukee, Wis.
McKinney Mfg. Co., Pittsburgh, Pa.
National Brass Co., Grand Rapids, Mich.
National Brass Mfg. Co., Cincinnati, O.
National Lock Co., Rockford, Ill.
Russell & Erwin Mfg. Co., New Britain, Conn.
Safe Padlock & Hdw. Co., Lancaster, Pa.
Sargent & Co., New Haven, Conn.
Shelby Spring Hinge Co., Shelby, O.
Slaymaker Lock Co., Lancaster, Pa.
Soss Mfg. Co., Roselle, N. J.
Stanley Wks., New Britain, Conn.
Weber-Knapp Co., Jamestown, N. Y.
Yale & Towne Mfg. Co., Stamford, Conn.

CABINET HINGES—See Hinges, Cabinet

CABINET LOCKS—See Locks, Cabinet

CABINET MAKERS' BENCHES—See Benches, Cabinet Makers

CABINET MAKERS' CLAMPS—See Clamps, Cabinet Makers'

CABINET MAKERS' PINCH DOGS—See Dogs, Pinch

CABINET MAKERS' TOOLS and SUPPLIES—See article desired

CABINET SCRAPERS—See Scrapers, Cabinet

CABINETS, Bath Room, Medicine

American Chest Co., Waukesha, Wis.
American Enameled Products Co., Chicago, Ill. "Sno-Wite" (Portable)
Aurora Steel Products Co., Aurora, Ill.
Baker (S. D.) Corp., 234 W. 14th, New York, N. Y. "Samson-Steel"
Beckwith Bros. Co., Westfield, Mass.
Bennett Mfg. Co., Alden, N. Y. "Steel-Maid"
Borin-Vivitone Corp., Chicago, Ill.
Boston Mirror Co., Boston, Mass.
Columbia Metal Box Co., 226 E. 144th, New York, N. Y. (Steel)
Conant Bros., Somerville, Mass.
Conroy-Prugh Glass Co., Pittsburgh, Pa.
Corcoran Mfg. Co., Cincinnati, O.
Dillingham Mfg. Co., Sheboygan, Wis.
Durlach Can & Iron Wks., 234 Bridge, Bklyn., N. Y.
Economy Electrical Mfg. Co., Kansas City, Mo. "Electro-Kabinet" (Steel)
Elgin Stove & Oven Co., Elgin Ill. (Metal)
Eustis (J. P.) Mfg. Co., Cambridge, Mass. "Brass-crafters"
Farley & Loetscher Mfg. Co., Dubuque, Ia.
Hamilton Metal Products Co., Hamilton, O. "Climax"
Hess Warming & Ventilating Co., Chicago, Ill.
Huttig Sash & Door Co., St. Louis, Mo.
Lawson (F. H.) Co., Cincinnati, O. "Lawco"
Metropolitan Elec. Mfg. Co., Boulevard at 14th, Long Island City, N. Y. "Facealite"
Miami Cabinet Co., Middletown, O.
Morton Mfg. Co., Chicago, Ill.
Palley Mfg. Co., Pittsburgh, Pa.
Payne (A. S.) Inc., N. Bennington, Vt.
Reliable Metal Novelty Co., 165 W. 21st, New York, N. Y. "Ramco"
Rockford Steel Furniture Co., Rockford, Ill. "Rock-steel"
Searls Mfg. Co., 29 Mulberry, Newark, N. J.
Servidor Co., 101 Park Av., New York, N. Y. "Closidor"
Silvers Mfg. Co., Waterloo, Ia.
Stone (N. M.) Co., Inc., Chicago, Ill.
United Metal Box Co., Inc., 473 President, Bklyn., N. Y. (Steel)
Universal Cabinet Co., Chicago, Ill.
White Steel Sanitary Furniture Co., Grand Rapids, Mich.

CABINETS, Bolt—See Cases, Bolt

CABINETS, CLOTHES DRYING—See Dryers, Clothes (Gas or Electric)

CABINETS, Display—See Cases, Display

CABINETS, Key

Durabilt Steel Locker Co., Aurora, Ill.

CABINETS, Kitchen

American Chest Co., Waukesha, Wis.
American Sash & Door Co., Kansas City, Mo.
Ariel Cabinet Co., Peru, Ind. "Handy Helper"
Art Metal Construction Co., Jamestown, N. Y.
Austell Cabinet Co., Austell, Ga.
Campbell-Smith-Ritchie Co., Lebanon, Ind. "Helen Boone"
Cannon (Florence V.) Co., Camden, N. J.
Carr, Ryder & Adams Co., Dubuque, Ia.
Columbia School Supply Co., Indianapolis, Ind.
Coppes Bros. & Zook, Nappanee, Ind. "Nappanee"
Durham Mfg. Co., Muncie, Ind. "Duplex"
Elgin Stove & Oven Co., Elgin, Ill.
Farley & Loetscher Mfg. Co., Dubuque, Ia.
Hoosier Mfg. Co., New Castle, Ind.
I. X. L. Furniture Co., Goshen, Ind.
Jane & Kirtland, 101 Park Av., New York, N. Y. "White House"
Kompass & Stoll Co., Inc., Niles, Mich. "Sno White"
Lawson (F. H.) Co., Cincinnati, O. "Lawco"
Marsh Furniture Co., High Point, N. C.
McClelland Co., Davenport, Ia.
McDougall Co., Frankfort, Ind. "Domestic Science"
Mutschler Bros. Co., Nappanee, Ind. "Porce-Namel"
National Screen & Mfg. Co., Cincinnati, O.
Rockford Steel Furniture Co., Rockford, Ill. "Rock-steel"
Sellers (G. I.) & Sons Co., Elwood, Ind. "Klear Front," "Mastercraft," "Special"
Servidor Co., 101 Park Av., New York, N. Y. "Closidor"
Tru-Lite Mfg. Co., Bradford, Pa.
Union Furniture & Novelty Co., Warren, Pa.
Wasmuth-Endicott Co., Andrews, Mich. "Kitchen Maid"

CABINETS, Kitchen, Toy

Arcade Mfg. Co., Freeport, Ill.
Cass (N. D.) Co., Athol, Mass.
Converse-Mason Corp., Winchendon, Mass. "Quality Line"
Dan-D Mfg. Co., Dayton, O.
Eastman Mfg. Co., Union City, Pa.
Hoge Mfg. Co., 23 E. 21st, New York, N. Y. "Playhouse"
Schoenhut (A.) Co., Phila., Pa.

CABINETS, Radiator

American Metal Products Co., St. Louis, Mo. "Air-Sell"
Armstrong Radiator Shield Corp., 155 E. 42nd, New York, N. Y.
Art Metal Radiator Cover Co., Chicago, Ill. "Trico"
Bomar Mfg. Co., Campbell & Gary, Louisville, Ky.
Columbia Metal Box Co., 226 E. 144th, New York, N. Y.
Crown Metal Products Co., 410 Willoughby Av., Bklyn., N. Y. "Grilframe"
Hubeny Brothers, Inc., Roselle, N. J.
Johnson (W. H.) & Son Co., 154 W. 57th, New York, N. Y. "Acme"
Just Rite Steel Cabinet Wks., Inc., 3410 3rd Av., New York, N. Y.
Kautenberg (W. E.) Co., Inc., Freeport, Ill. "Lombard," "Lotus," "Varsity"
Majestic Co., Huntington, Ind.
Metal Products Corp., 49 Chestnut, Weehawken, N. J.
Mullins Mfg. Co., Salem, O.
Orange Screen Co., Maplewood, N. J.
Radiant Steel Products Co., Williamsport, Pa. "Radkover," "Superad"
Schleicher, Inc., Gary, Ind. "Slyker"
Slyker Metal Radiator Co., 342 Madison Av., New York, N. Y.
Tuttle & Bailey Mfg. Co., 70 Berry, B'klyn, N. Y.

CABINETS, Recipe

Norcor Mfg. Co., Green Bay, Wis.
Patent Novelty Co., Inc., Fulton, Ill. "Polly Prim"

CABINETS, Screw—See Cases, Bolt and Screw

CABINETS, Shoe Cleaning, Metal

Griffin Mfg. Co., Inc., 67 Murray, New York, N. Y. (Built-In)

CABINETS, Tool—See Chests, Tool

CABLE, Battery—See Wire Insulated

CABLE CHAIN—See Chains, Cable

CABLE CLAMPS—See Clamps, Cable

CABLE, Ignition, Lighting and Starting

American Steel & Wire Co., 208 E. La Salle, Chicago, Ill.
Barcy-Nicholson Co., Detroit, Mich.
Belden Mfg. Co., Chicago, Ill.
Bishop Gutta-Percha Co., 420 E. 25th, New York, N. Y.
Boston Insulated Wire & Cable Co., Boston, Mass.
Collyer Insulated Wire Co., Pawtucket, R. I.
General Electric Co., Schenectady, N. Y.
Goodrich-Lenhart Mfg. Co., Hamburg, Pa.
Habirshaw Cable & Wire Corp., Yonkers, N. Y.
Indiana Rubber & Insulated Wire Co., Jonesboro, Ind.
Kerite Insulated Wire & Cable Co., 30 Church, New York, N. Y.
New England Cable Co., Concord, N. H.
Okonite Co., Passaic, N. J.
Packard Electric Co., Warren, O.
Philadelphia Insulated Wire Co., Phila., Pa.
Roebling's (John A.) Sons Co., Trenton, N. J.
Rome Wire Co., Buffalo, N. Y.
Simplex Wire & Cable Co., Boston, Mass.
Splitdorf Electric Co., 392 High, Newark, N. J.
Standard Underground Cable Co., Pittsburgh, Pa.
Whitney Blake Co., New Haven, Conn.

CABLE, Lighting—See Cable, Ignition, Lighting and Starting

CABLE SAWS—See Saws, Cable

CABLE, Starting—See Cable, Ignition, Lighting and Starting

CABLE, Towing—See Ropes, Chains & Bars, Tow

CABLE, Wire—See Rope or Cable, Wire

CADDY BAGS—See Bags, Golf

CAFETERIA SUPPLIES—See Supplies, Kitchen, Hotel, Etc.

CAGE HOOKS—See Hooks, Cage

CAGES, Bird

Crown Machine Co., Indianapolis, Ind.
Hendryx (Andrew B.) Co., New Haven, Conn. "Lantern," "Star"
Starex Novelty Co., Inc., 150 E. 53rd, New York, N. Y. "Townley"

CAGE STANDS, Bird—See Stands, Cage

CAGES and WICKETS, Cashiers'

Acorn Wire & Iron Wks., Chicago, Ill.
Audubon Wire Cloth Co., Audubon, N. J.
Badger Wire & Iron Wks., Milwaukee, Wis.
Buffalo Wire Wks. Co., Buffalo, N. Y.
Logan Co., Louisville, Ky.
Meyers (Fred J.) Mfg. Co., Hamilton, O.
Smith (F. P.) Wire & Iron Wks., Chicago, Ill.
Stewart Iron Wks. Co., Inc., 814 Stewart Block, Cincinnati, O.
Wickwire Spencer Steel Co., Inc., 41 E. 42nd, New York, N. Y.

CAKE BOARDS—See Boards, Cake

CAKE BOXES—See Boxes, Bread and Cake

CAKE CUTTERS—See Cutters, Cake

CAKE MIXERS—See Mixers, Bread and Cake

CAKE MOLDS—See Molds, Cake, Pudding, Etc.

CAKE ORNAMENTING TOOLS—See Tools, Ornamenting, Cake

CAKE PANS—See Pans, Cake

CAKE TURNERS—See Turners, Cake

CAKES, Dog—See Biscuits, Dog

CALCIMINE—See Kalsomine

CALCIUM CARBIDE—See Carbide, Calcium

CALDRON KETTLES—See Kettles, Caldron

CALENDER STANDS—See Stands, Calender

CALF WEANERS—See Weaners, Calf

CALIPER GAGES—See Gages, Caliper

CALIPER SQUARES—See Squares, Caliper

CALIPER RULES—See Rules, Caliper

CALIPERS and DIVIDERS

Brown & Sharpe Mfg. Co., Providence, R. I.
Consolidated Tool Wks., 509 Madison Av., New York, N. Y. "Pilot"
Graffam Metal Products Co., Worcester, Mass. "Copelands"
Indicating Calipers Corp., 506 E. 19th, New York, N. Y.
Johnson (William), Inc., 36 Brenner, Newark, N. J.
Johnson (E. P.) Rule Mfg. Co., Chicago, Ill.
Lufkin Rule Co., Saginaw, Mich. "Banner"
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Schollhorn (Wm.), Co., New Haven, Conn. "Excelsior," "Lodi"
Starrett (L. S.) Co., Athol, Mass. "Fay," "Yankee"
Union Tool Co., Orange, Mass.

CALIPERS, Micrometer

Almond (T. R.) Mfg. Co., Ashburnham, Mass.
Brown & Sharpe Mfg. Co., Providence, R. I. "Rex"
Indicating Calipers Corp., 506 E. 19th, New York, N. Y.
Lufkin Rule Co., Saginaw, Mich.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Reed Small Tool Wks., Worcester, Mass.
Slocomb (J. T.) Co., Providence, R. I.
Starrett (L. S.) Co., Athol, Mass.

CALIPERS, Vernier

Brown & Sharpe Mfg. Co., Providence, R. I.
Indicating Calipers Corp., 506 E. 19th, New York, N. Y.
Johnson (E. P.) Rule Mfg. Co., Chicago, Ill.
Starrett (L. S.) Co., Athol, Mass.

CALKED SOLES—See Soles, Calked

CALKING COTTON—See Oakum

CALKING IRONS—See Tools, Calking

CALKING TOOLS—See Tools, Calking

CALKS, Boot and Shoe

General Mfg. Co., Waterbury, Conn.
Lufkin Rule Co., Saginaw, Mich.
North & Pfeiffer Mfg. Co., Hartford, Conn. "Shur-Fut"
Star Heel Plate Co., 357 Wilson Av., Newark, N. J.

CALKS, Horse Shoe

Diamond Calk & Horseshoe Co., 4622 Grand Av., Duluth, Minn.
Eversharp Mfg. Co., New Brunswick, N. J.
Giant Grip Mfg. Co., Oshkosh, Wis.
Phoenix Mfg. Co., Joliet, Ill.

CALL BELLS—See Bells, Call

CALLS, Bird

Allen, Fred A., Monmouth, Ill.
Alward-Anderson-Southard Co., Chicago, Ill.
Ditto (C. H.), Keithsburg, Ill.
Perdew (Chas. H., Sr.), Henry, Ill.

CALLS, Crow

Allen (Fred A.) Monmouth, Ill.
Ditto (C. H.), Keithsburg, Ill.
Olt (Philip S.), Dept. E., Pekin, Ill.

CALLS, Duck

Allen (Fred A.), Monmouth, Ill.
Ditto (C. H.), Keithsburg, Ill.
Hason (N. C.) Co., Zimmerman, Minn.
Olt (Philip S.), Dept. E., Pekin, Ill.
Union Hardware Co., Torrington, Conn.

CALLS, Goose

Olt (Philip S.), Dept. E., Pekin, Ill.

CAMP BEDS or BERTHS—See Beds or Berths

CAMP BROILERS—See Grates, Camp

CAMP CHAIRS, Folding—See Chairs, Camp, Folding

CAMP COOKING UTENSILS—See Utensils, Cooking, Camp

CAMP COTS, Folding—See Cots, Camp, Folding

CAMP FIRE FORKS—See Forks, Toasting

CAMP FIRE GRUB STAKES—See Grub Stakes, Camp Fire

CAMP GRATES—See Grates, Camp

CAMP GRIDS—See Grids, Camp

CAMP LAMPS—See Lamps, Camp

CAMP OVENS—See Ovens, Camp

CAMP STOOLS—See Stools, Camp

CAMP STOVES—See Stoves, Camp

CAMPING OUTFITS—See Outfits, Camping; also article desired

CAN OPENERS—See Openers, Can

CANDLE HOLDERS—See Holders, Birthday Cake Candle; also Holders, Christmas Tree Candle

CANDLE WICKING—See Wicking, Cotton

CANDLES, Birthday

American Crayon Co., Sandusky, O.
Art Crayon Co., 253 36th St., B'klyn, N. Y.
Cypress Novelty Corp., 2912 Atlantic Av., B'klyn, N. Y.
Darow Mfg. Co., 36 E. 20th, New York, N. Y. (Christmas, Electric)
Fitzgerald Mfg. Co., Torrington, Conn. (Electric)
Kirchhof Patent Co., 40 Union, Newark, N. J.
Muench-Kreuzer Candle Co., Inc., Syracuse, N. Y.
Star Candle & Color Wks., 270 E. 133rd, New York, N. Y.
Will & Baumer Candle Co., Inc., Syracuse, N. Y.

CANDLES, Christmas Tree—See Candles, Birthday

CANDLES, Plumbers'

Atlantic Refining Co., Phila., Pa.
Emery Industries, Inc., Cincinnati, O.
Gross (A.) Candle Co., Inc., Baltimore, Md.
Muench-Kreuzer Candle Co., Inc., Syracuse, N. Y.
Standard Oil Co. of N. J., 26 B'way, New York, N. Y.
Werk (M.) Co., St. Bernard, Cincinnati, O.
Will & Baumer Candle Co., Inc., Syracuse, N. Y.

CANDLESTICKS

Allen (W. D.) Mfg. Co., Chicago, Ill.
American Ring Co., Waterbury, Conn.
Boston Brass Andiron Co., Boston, Mass.
Chapman (W. H.), Middletown, Conn.
Darow Mfg. Co., 36 E. 20th, New York, N. Y. (Electric)
Howes (S. M.) Co., Boston, Mass.
Janusch Mfg. Co., 282 E. 135th, New York, N. Y.
Manning, Bowman & Co., Meriden, Conn.
National Enameling & Stamping Co., Milwaukee, Wis.
Novelty Casting Co., 78-10 Cypress Av., B'klyn, N. Y.
Rome Mfg. Co., Rome, N. Y.
Rostand Mfg. Co., Milford, Conn.
United States Glass Co., Pittsburgh, Pa.
Winter (H. G.) & Sons, Kingfield, Me.
Zulu Toy Mfg. Co., Inc., Battle Creek, Mich. (Electric)

CANDY MAKING THERMOMETERS—See Thermometers, Candy

CANE KNIVES—See Knives, Cane

CANISTER SETS, Kitchen—See Sets, Canister, Kitchen

CANNED HEAT—See Heat, Canned

CANNERS, Cold Pack

Atlantic Stamping Co., Rochester, N. Y.
Biddle-Gaumer Co., Phila. Pa. "Mudge"
Federal Enameling & Stamping Co., McKees Rocks, Pa.
Rochester Can Co., Rochester, N. Y. "Iron Horse"
Swartzbaugh Mfg. Co., Toledo, O. "Conservo"

CANNING OUTFITS and SUPPLIES

Automatic Canning Devices, Inc., Chicago, Ill. (Sealer and Steamer)
Eureka Jar Co., Boston, Mass.
Everedy Co., Frederick, Md. (Jelly Bag)
Hamblin & Russell Mfg. Co., Worcester, Mass.
Lincoln-Ray Mfg. Co., Inc., Springfield, Mass.
National Pressure Cooker Co., Eau Claire, Wis. (Sealing Machine)
Smiley, W. C., Roanoke, Va. (Tomato Knife)
Standard Oil Co. of N. J., 26 B'way, New York, N. Y. "Parawax"
Stockland-Hamery Corp., Minneapolis, Minn.
Scurlock Kontanerette Corp., 332 So. Michigan Av., Chicago, Ill. (Food Preservers)
Swartzbaugh Mfg. Co., Toledo, O. "Conservo" (Cold Pack Steamer)
Tyler Mfg. Co., Muncie, Ind. (Fruit Jar Tool Kit)
Union Steel Products Co., Albion, Mich. (Lifter)
Utility Mfg. Co., Baltimore, Md. (Bag)

CANNING RACKS—See Racks, Canning, Cold Pack

CANNON STOVES—See Stoves, Cannon, Heavy Type

CANNONS, Toy

Bradley (Milton) Co., Springfield, Mass.
Chicago Ferrule & Nut Co., Chicago, Ill.
Conestoga Corp., Bethlehem, Pa. "Big-Bang"
Fox Co., Phila., Pa.
Gibbs Mfg. Co., Canton, O. "Krack-Kannon"
Kenton Hdw. Co., Kenton, O.
Kilgore Mfg. Co., Waterville, O.
Madmar Quality Co., Utica, N. Y.
Schoenhut (A.) Co., Phila., Pa.

CANOE PADDLES—See Paddles, Canoe

CANOES
(See also Boats)

Acme Folding Boat Co., Miamisburg, O.
Darrow Steel Boat Co., Albion, Mich.
Gold Medal Folding Furniture Co., Racine, Wis.
Kennebec Canoe Co., Waterville, Me.
Kidney (Daniel) & Son, West De Pere, Wis.
Mullins Body Corp., Salem, O.
Old Town Canoe Co., Old Town, Me.
Robertson, J. R., Auburndale, Mass.
St. Louis Boat & Canoe Co., Valley Park, Mo.
Skaneateles Boat & Canoe Co., Skaneateles, N. Y.
Thomson Bros. Boat Mfg. Co., Peshtigo, Wis.
White (E. M.) & Co., Old Town, Me.

CANOES, Canvas

Acme Folding Boat Co., Miamisburg, O.
Kennebec Canoe Co., Waterville, Me.
Mullins Body Corp., Salem, O.
Old Town Canoe Co., Old Town, Me.
Thomson Bros. Boat Mfg. Co., Peshtigo, Wis.
White (E. M.) & Co., Old Town, Me.

CANS, Ash, Galvanized, Corrugated, Etc.

Atlantic Stamping Co., Rochester, N. Y.
Cincinnati Galvanizing Co., Cincinnati, O. "King"
Friedley-Voshardt Co., Chicago, Ill.
Ideal Can Co., Everett, Mass.
Klein Mfg. Co., Burlington, Ia.
Kreamer (A.) Inc., 307 Kent Ave., B'klyn, N. Y.
Lamothe (E. J.) Co., Somerville, Mass. "Lamco"
Majestic Furnace & Mfg. Co., Seattle, Wash.
Manhattan Mfg. & Jobbing Co., 182 Av. C, New York, N. Y.
National Enameling & Stamping Co., Milwaukee, Wis.
Reeves Mfg. Co., Dover, O. "Atlas," "Biltwell," "Dependable," "Dixie," "Economy," "Favorite," "Peerless," "Samson," "Super"
Richardson (M. A.) Inc., Chicago, Ill.
Rochester Can Co., Rochester, N. Y. "Iron Horse"
Savory, Inc., 591 Ferry, Newark, N. J.
Schlueter Mfg. Co., St. Louis, Mo. "Jewel"
Sexton Can Co., Everett, Mass. "Ajax"
Superior Ash Can Mfg. Co., 400 S. 2nd, B'klyn, N. Y.
Union Steel Products Co., Albion, Mich.
Wheeling Corrugating Co., Wheeling, W. Va.
Witt Cornice Co., 2114 Winchell Av., Cincinnati, O. "Brighton," "Witt"

CANS, Ash and Garbage
(See also Receivers, Garbage)

Alto Mfg. Co., Chicago, Ill. "Gar-Bag" (Can with Paper Bag Container)
American Can Co., 230 Park Av., New York, N. Y. "Canco"
Atlantic Stamping Co., Rochester, N. Y.
Atlas Tinware Co., 2472 3rd Av., New York, N. Y.
Behrens (H.) Mfg. Co., Winona, Minn.
Boyle Mfg. Co., Los Angeles, Cal. "Boyco"
Buhl Stamping Co., Detroit, Mich.
Butler Mfg. Co., Kansas City, Mo.
Cincinnati Galvanizing Co., Cincinnati, O. "King"
Cleveland Wire Spring Co., Cleveland, Ohio.
Crunden-Martin Mfg. Co., St. Louis, Mo.
Decatur Cornice & Roofing Co., Albany, Ala.
Diener (Geo. W.) Mfg. Co., Chicago, Ill.
Dover Stamping & Mfg. Co., Cambridge, Mass.
Durlach Can & Iron Wks., 234 Bridge, B'klyn, N. Y.
Empire Tin Ware Co., 29 S. 5th, B'klyn, N. Y.
Federal Enameling & Stamping Co., McKees Rocks, Pa.
Geuder, Paeschke & Frey Co., Milwaukee, Wis. "Cream City"
Henning Bros., Chicago, Ill.
Hill (Jas.) Mfg. Co., Providence, R. I.
Hygeia Can Co., 75 Varick, New York, N. Y. "Hygia"
Ideal Can Co., Everett, Mass.
Indestructible Ash Can Co., 96 Greene, New York, N. Y.
Jackson (Edwin A.) Bros., 50 Beekman, New York, N. Y. "Jaxon Underground"
Justrite Mfg. Co., Chicago, Ill.
Klauer Mfg. Co., Dubuque, Ia.
Klein Mfg. Co., Burlington, Ia.
Koven (L. O.) & Bro., 154 Ogden Av., Jersey City, N. J.
Kreamer (A.), Inc., 307 Kent Av., B'klyn, N. Y.
Lalance & Grosjean Mfg. Co., Woodhaven, L. I., N. Y.
Lamothe (E. J.) Co., Somerville, Mass. "Lamco"
Lawson (F. H.) Co., Cincinnati, O. "Lawco"
Lisk Mfg. Co., Ltd., Canandaigua, N. Y.
Littleford Bros., Cincinnati, O.
Los Angeles Can Corp., Los Angeles, Cal.
Madewell Mfg. Co., Oakland, Cal.
Master Metal Products, Inc., Buffalo, N. Y. "Kitch-Kan," "Presto," "Recepto," "Sanette," "Standard"
Metal Products Corp., Weehawken, N. J.
National Can Co., North Boston, Mass.
National Enameling & Stamping Co., Milwaukee, Wis.
New York Standard Mfg. Co., Inc., 99 Kent Av., B'klyn, N. Y.
Northwest Metal Products, Inc., Seattle, Wash. "Chief," "Norwesco"
Ohio Galvanizing & Mfg. Co., Niles, O.
Ohio Metal Utensil Co., Greenwich, O. "Kitchen Katch-All"
Pittsburgh Tinware Mfg. Co., Pittsburgh, Pa.
Porter (C. B.) Co., Phila., Pa. "Keystone"
Pressed Steel Tank Co., Milwaukee, Wis.
Reeves Mfg. Co., Dover, O. "Atlas," "Biltwell," "Capital," "Dependable," "Dixie," "Economy," "Engineers," "Favorite," "Monitor," "Peerless," "Samson," "Super," "Vulcan"
Richardson (M. A.) Inc., Chicago, Ill.
Robeson-Rochester Corp., Rochester, N. Y. "Royal Rochester"
Rochester Can Co., Rochester, N. Y. "Iron Horse"
Sanitary Receiver Co., Inc., Dunkirk, N. Y. "Hydawaste," "Sani-Can"
Savory, Inc., 591 Ferry, Newark, N. J.
Schlueter Mfg. Co., St. Louis, Mo. "De Luxe," "Jewel"
Sexton Can Co., Everett, Mass. "Ajax" "Strong-Hoop"
Sheet Metal Specialty Co., Pittsburgh, Pa. "Security"
Solar-Sturges Mfg. Co., Chicago, Ill. (Self-closing)
Standard Stamping Co., St. Louis, Mo.
Stay-On Mfg. Co., Dover, O.
Steel Basket Co., Cedar Rapids, Ia.
Stover Mfg. & Engine Co., Freeport, Ill.
Success Mfg. Co., Gloucester, Mass.
Superior Ash Can Mfg. Co., 400 S. 2nd, B'klyn, N. Y.
Tidy Products, Inc., Chrysler Bldg., New York, N. Y. "Tidyette," (Can with Paper Bag Container)
Union Steel Products Co., Albion, Mich.
Vernier Mfg. Co., Cedar Rapids, Ia.
Wayne Paper Goods Co., Fort Wayne, Ind. (Paper)
Wheeling Corrugating Co., Wheeling, W. Va.
Winsted Hardware Mfg. Co., Winsted, Conn. "Durabilt"
Witt Cornice Co., 2114 Winchell Av., Cincinnati, O. "Brighton," "Witt" (Also underground)
Woolwine Metal Products, Los Angeles, Cal.

CANS, Bait

Apex Mfg. Co., Inc., Syracuse, N. Y.
Stratton & Terstegge Co., Inc., Mfg. Div., Louisville, Ky. "Falls City"

CANS, Milk

Allred Mfg. Co., Inc., Indianapolis, Ind.
Atlantic Stamping Co., Rochester, N. Y.
Buckeye Aluminum Co., Wooster, O. "Real Solid"
Cherry-Burrell Corp., Cedar Rapids, Ia.
Creamery Package Mfg. Co., Chicago, Ill.
Dover Stamping & Mfg. Co., Cambridge, Mass.
Geuder, Paeschke & Frey Co., Milwaukee, Wis. "Cream City"
Keiner-Williams Stamping Co., Richmond Hill, N. Y.
Lalance & Grosjean Mfg. Co., Woodhaven, L. I., N. Y.
Lisk Mfg. Co., Ltd., Canandaigua, N. Y.
Marietta Hollow Ware & Enameling Co., Marietta, Pa.
Mountain City Stove & Roofing Co., Chattanooga, Tenn.
National Enameling & Stamping Co., Milwaukee, Wis. "Nesco"
Oakes & Burger Co., Cattaraugus, N. Y. "Empire State," "Royal Dane," "Union"
Savory, Inc., 591 Ferry, Newark, N. J.
Schlueter Mfg. Co., St. Louis, Mo.
Sheet Metal Specialty Co., Pittsburgh, Pa. "St. John," "Security"
Solar-Sturges Mfg. Co., Melrose Park, Ill.
United States Stamping Co., Moundsville, W. Va.
Vollrath Co., Sheboygan, Wis.

CANS, Oil and Gasoline

American Can Co., 230 Park Av., New York, N. Y.
Atlantic Stamping Co., Rochester, N. Y.
Behrens (H.) Mfg. Co., Winona, Minn.
Beman Automatic Oil Can Co., Meadville, Pa.
Boyle Mfg. Co., Los Angeles, Cal. "Boyco"
Butler Mfg. Co., Kansas City, Mo.
Chapin (R. E.) Mfg. Works, Batavia, N. Y.
Cincinnati Ball Crank Co., Cincinnati, O. "Brookins"
Colonial Can Co., Boston, Mass.
Conneaut Can Co., Conneaut, O. "Red Hoop"
Continental Can Co., Inc., 100 E. 42nd, New York, N. Y.
Crunden-Martin Mfg. Co., St. Louis, Mo.
Diener (Geo. W.) Mfg. Co., Chicago, Ill. "Protection"
Dover Stamping & Mfg. Co., Cambridge, Mass. "Acme"
Eagle Mfg. Co., Wellsburg, W. Va.
Enterprise Stamping Co., McKees Rocks, Pa. (Square)
Gem Mfg. Co., Pittsburgh, Pa.
Geuder, Paeschke & Frey Co., Milwaukee, Wis. "Cream City"
Gray (Peter) & Sons, Inc., E. Cambridge, Mass.
Handlan-Buck Mfg. Co., St. Louis, Mo.
Handy Oiler Co., Danville, Ind.
Harker Mfg. Co., Cincinnati, O. "Queen"
Harps (J. A.) Mfg. Co., Greenfield, O. "Never-Fail"
Huffman Mfg. Co., Dayton, O.
Hunt & Dorman Mfg. Co., Cleveland, O.
Jackson (J. W.) Co., Sharpsville, Pa. (Oil)
Johnson Mfg. Co., Urbana, O.
Kiechler Mfg. Co., Cincinnati, O.
Klein Mfg. Co., Burlington, Ia.
Koven (L. O.) & Bro., 154 Ogden Av., Jersey City, N. J.
Kraft, A. C., Chicago, Ill.
Lawson (F. H.) Co., Cincinnati, O. "Lawco"
Lidseen (Gustave) Inc., Chicago, Ill.
Lisk Mfg. Co., Ltd., Canandaigua, N. Y.
Los Angeles Can Corp., Los Angeles, Cal.
Ludlow Mfg. Co., Covington, Ky. "Ideal"
McNutt (W. H.), Inc., 83 Chambers, New York, N. Y.
Manufacturers' Can Co. (Harrison), Newark, N. J.
Maple City Stamping Co., Peoria, Ill.
Metallic Novelty Mfg. Co., Kansas City, Mo. (Emergency Kit) "Trippl-Aid"
National Enameling & Stamping Co., Milwaukee, Wis. "Superior"
New Delphos Mfg. Co., Delphos, O. "C. C. Brands," "Legal," "Never Leak"
Porter (C. B.) Co., Phila., Pa.
Protectoseal Co. of America, Chicago, Ill.
Robeson-Rochester Corp., Rochester, N. Y. "Royal Rochester"
Rochester Can Co., Rochester, N. Y. "Iron Horse"
St. Louis Can Co., St. Louis, Mo.
Savory, Inc., 591 Ferry, Newark, N. J.
Schlueter Mfg. Co., St. Louis, Mo. "De Luxe"
Sexton Can Co., Everett, Mass. "Orient," "Puritan"
Standard Stamping Co., St. Louis, Mo.
Stuber & Kuck Co., Peoria, Ill. "Uncle Sam's"
Weaver Mfg. Co., Springfield, Ill.
Wheeling Corrugating Co., Wheeling, W. Va. "Corco," "No-Drip"

CANS, Oiling

Anthes Force Oiler Co., Ft. Madison, Ia. "Forzoil"
Atlas-Ansonia Co., New Haven, Conn. "Richard"
Buko Oiler Mfg. Co., Clarkson, Neb. "Sure Shot"
Cannon Oiler Co., Keithsburg, Ill.
Detroit Lubricator Co., Detroit, Mich.
Dover Stamping & Mfg. Co., Cambridge, Mass.
Eagle Mfg. Co., Wellsburg, W. Va. "Little Wonder"
Enterprise Mfg. Co., Dept. HA, Akron, O.
Fulton Sylphon Co., Knoxville, Tenn.
Gem Mfg. Co., Pittsburgh, Pa.
Handy Oiler Co., Danville, Ind.
Ideal Can Co., Everett, Mass.
Jaden (F.) Mfg. Co., Hastings, Neb. "Golden Rod"
Lidseen (Gustave), Inc., Chicago, Ill. "G. L."
Malleable Iron Fittings Co., Branford, Conn. "Hammer & Co."
Maple City Stamping Co., Peoria, Ill. "Howland"
Marvin (W. B.) Mfg. Co., Urbana, O.
New Delphos Mfg. Co., Delphos, O.
Noera Mfg. Co., Waterbury, Conn. "Flexical," "King"
Plews Oiler Co., Minneapolis, Minn.
Thiem Mfg. Co., Minneapolis, Minn.
Vogel (Wm.) & Bros., 37 S. 9th, Bklyn., N. Y. "Kompact"
Wall (P.) Mfg. Supply Co., 3126-3166 Preble Av., Pittsburgh, Pa. "Superior"

CANS, Oiling, Pressure—See Cans, Oiling

CANS, Oiling, Pump or Pressure
(See also Guns, Oil)

Anthes Force Oiler Co., Ft. Madison, Ia. "Forzoil"
Cannon Oiler Co., Keithsburg, Ill.
Damascus Steel Products Corp., Rockford, Ill. "Dasco"
Eagle Mfg. Co., Wellsburg, W. Va.
Jaden (F.) Mfg. Co., Hastings, Neb. "Golden Rod"
Lidseen (Gustave), Inc., Chicago, Ill. "G. L."
Maple City Stamping Co., Peoria, Ill. "Howland"
Noera Mfg. Co., Waterbury, Conn. "Flexical," "King"
Plews Oiler Co., Minneapolis, Minn.

CANS, Oily-Waste—See Cans, Waste

CANS, Radiator Filler, Automobile

Atlantic Stamping Co., Rochester, N. Y.
Behrens (H.) Mfg. Co., Winona, Minn.
Cincinnati Ball Crank Co., Cincinnati, O. "Brookins"
Huffman Mfg. Co., Dayton, O.
Lawson (F. H.) & Co., Cincinnati, O. "Lawco"
National Enameling & Stamping Co., 270 N. 12th, Milwaukee, Wis.
New Delphos Mfg. Co., Delphos, O.
Rochester Can Co., Rochester, N. Y. "Iron Horse"
Sexton Can Co., Everett, Mass.
Twenty Purpose Sprinkler-Filler Co., Peoria, Ill.
Wheeling Corrugating Co., Wheeling, W. Va.

CANS, Sprinkling—See Pots, Watering

CANS, Waste

American Can Co., 230 Park Av., New York, N. Y.
Atlas Tinware Co., 2472 3rd Av., New York, N. Y.
Cincinnati Ball Crank Co., Cincinnati, O. "Brookins"
Cincinnati Galvanizing Co., Cincinnati, O. "King"
Cleveland Wire Spring Co., Cleveland, O.
Continental Can Co., Inc., 100 E. 42nd, New York, N. Y.
Diener (Geo. W.) Mfg. Co., Chicago, Ill. "Perfection"
Dover Stamping & Mfg. Co., Cambridge, Mass.
Durlach Can & Iron Wks., 234 Bridge, Bklyn., N. Y.
Economy Baler Co., Ann Arbor, Mich.
Harker Mfg. Co., Cincinnati, O. "Queen"
Harry (O. K.) Steel Co., St. Louis, Mo.
Hill (Jas.) Mfg. Co., Providence, R. I.
Huffman Mfg. Co, Dayton, O.
Hygeia Can Co., 75 Varick, New York, N. Y. "Hygia"
Ideal Can Co., Everett, Mass.
Iron Clad Mfg. Co., 178 Cook, Bklyn., N. Y.
Justrite Mfg. Co., Chicago, Ill.
Koven (L. O.) & Bro., 154 Ogden, Jersey City, N. J.
Kraft, A. C., Chicago, Ill. "Nacefas"
Lawson (F. H.) Co., Cincinnati, O. "Lawco"
McNutt (W. H.) Inc., 83 Chambers, New York, N. Y.
Manufacturers' Can Co. (Harrison), Newark, N. J.

CANS, Waste (Continued)

Master Metal Products, Inc., Buffalo, N. Y. "Sanette," "Waystall," "Waystette"
Metal Package Corp. of N. Y., 110 E. 42nd, New York, N. Y. "Empeco"
National Enameling & Stamping Co., Milwaukee, Wis.
National Vulcanized Fibre Co., Wilmington, Del.
New Delphos Mfg. Co., Delphos, O.
New Orleans Roofing & Metal Co., New Orleans, La. "Nola"
Northwest Metal Products, Inc., Seattle, Wash. "Chief"
Ohio Corrugating Co., Warren, O.
Reeves Mfg. Co., Dover, O.
Rochester Can Co., Rochester, N. Y. "Iron Horse"
Rogers Fibre Co., Boston, Mass. "Leatheroid"
Sanitary Receiver Co., Inc., Dunkirk, N. Y. "Hydawaste," "Refuse-Can"
Savory, Inc., 591 Ferry, Newark, N. J.
Schlueter Mfg. Co., St. Louis, Mo.
Sexton Can Co., Everett, Mass.
Solar-Sturges Mfg. Co., Melrose Park, Ill.
Steel Basket Co., Cedar Rapids, Ia.
Wall (P.) Mfg. Supply Co., 3126-3166 Preble Av., Pittsburgh, Pa.
Wheeling Corrugating Co., Wheeling, W. Va.
Wilson (Andrew) Co., Lawrence, Mass.
Witt Cornice Co., 2114 Winchell Av., Cincinnati, O. "Brighton," "Wit"

CANT HOOK HANDLES—See Handles, Hickory

CANT HOOKS—See Hooks, Cant

CANTEENS

Aluminum Cooking Utensil Co., New Kensington, Pa. "Wear-Ever"
Aluminum Goods Mfg. Co., Manitowoc, Wis.
Boyle Mfg. Co., Los Angeles, Cal. "Boyco"
Campbell (A. S.) Co., East Boston, Mass. "Cello"
Dean Specialty Wks., San Antonio, Tex.
National Enameling & Stamping Co., Milwaukee, Wis.
New Delphos Mfg. Co., Delphos, O.
Pueblo Tent & Awning Co., Inc., Pueblo, Colo.
Rome Sporting Goods Mfg. Co., Rome, N. Y.
Woolwine Metal Products Co., Los Angeles, Cal. "Bear Brand"
Worcester Pressed Aluminum Co., Worcester, Mass. "Palco"

CANVAS APRONS—See Aprons, Canvas

CANVAS BAGS—See Bags, Canvas

CANVAS BOATS—See Boats, Canvas

CANVAS CANOES—See Canoes, Canvas

CANVAS GLOVES—See Gloves, Canvas

CANVAS LEGGINGS—See Leggings, Canvas

CANVAS WATER BAGS—See Bags, Water Carrying

CAP CRIMPERS—See Crimpers, Cap

CAPES, FISHERMEN'S—See Fishermen's Clothing

CAPPERS, Bottle, Hand
(See also Capping Machines, Bottle)

Acme Cork Co., 899 3rd Av., New York, N. Y.
Angsten (H. W.) Co., Michigan City, Ind. "Red Diamond"
Apex Stamping Co., Riverdale, Ill.
Arrow Distributing Co., Kansas City, Mo. "C-B-Co."
Consolidated Tool Wks., 509 Madison Av., New York, N. Y.
Crown Cork & Seal Co., Inc., Baltimore, Md. "Pyramid"
Crown Machine Co., Indianapolis, Ind. "Capperite"
Debus Mfg. Co., Hastings, Neb. "Handy" (Combination)
Denemark (A. F.) & Co., Chicago, Ill. "Whiz"
Everedy Co., Frederick, Md. "Climax," "Double Duty," "Gear Top," "Old Bud," "Red Flash"
Gem Stopper Co., Phila., Pa.
Grand Rapids Wire Products Co., Grand Rapids, Mich.
Handy Things Mfg. Co., Ludington, Mich.
Indestro Mfg. Co., Chicago, Ill.
National Capper Co., Toledo, O. "Star"
Ramsey Bros. Mfg. Co., Toledo, O. "Supreme"
Redlich Mfg. Co., Chicago, Ill. "Remanco"
Scovill Mfg. Co., Waterbury, Conn.
Sy-Fill Mfg. Co., San Francisco, Cal. (Self-Feeding)
United States Lock & Hdw. Co., Columbia, Pa.
Universal Metal Goods Co., Chicago, Ill. "Unico"
Vaughan Novelty Mfg. Co., Chicago, Ill. "Easy-Protecto"
Youngstown Tool & Mfg. Co., Struthers, O.

CAPPING MACHINES, Bottle
(See also Cappers, Bottle, Hand)

Acme Cork Co., 899 3rd Av., New York, N. Y.
Anchor Cap & Closure Corp., 22 Queens, Long Island City, N. Y.
Arrow Distributing Co., Kansas City, Mo. "C-B-Co."
Buck (Wm. E.) Mfg. Co., Eastport, Me.
Cedar Rapids Foundry & Mach. Co., Cedar Rapids, Ia.
Consolidated Tool Works, 509 Madison Av., New York, N. Y. "Pilot"
Crown Cork & Seal Co., Inc., Highlandtown, Baltimore, Md. "Pyramid"
Denemark (A. F.) & Co., Chicago, Ill. "Whiz"
Hamilton Beach Mfg. Co., Racine, Wis. "Gilchrist," "Yankee"
Ideal Mfg. Co., Kewanee, Ill.
Indestro Mfg. Co., Chicago, Ill.
King (C. M.) & Co., Racine, Wis.
Ramsey Bros. Mfg. Co., Toledo, O. "Aseptic," "Kap-All," "Qui-K Change"
Rock Island Mfg. Co., Rock Island, Ill.
Scovill Mfg. Co., Waterbury, Conn.
Sy-Fill Mfg. Co., San Francisco, Cal. (Self-Feeding)
U. S. Bottlers' Machy. Co., Chicago, Ill.

CAP PISTOLS—See Pistols, Toy

CAP SCREWS—See Screws, Cap

CAPE CHISELS—See Chisels, Cape

CAPS, Bathing

Davol Rubber Co., Providence, R. I.
Draper-Maynard Co., Plymouth, N. H.
Faultless Rubber Co., Ashland, O.
Goodrich (B. F.) Rubber Co., Akron, O.
Kleinert (I. B.) Rubber Co., 485 5th Av., New York, N. Y.
Parker, Stearns & Co., 288 Sheffield Av., Bklyn, N. Y.
Tyer Rubber Co., Andover, Mass.

CAPS, Blasting

Atlas Powder Co., Wilmington, Del. "Giant"
Excelsior Powder Mfg. Co., Kansas City, Mo.
Giant Powder Co., San Francisco, Cal.
Grasselli Powder Co., Guardian Bldg., Cleveland, O.
Hercules Powder Co., Inc., Wilmington, Del. "California"
Illinois Powder Mfg. Co., St. Louis, Mo.
Western Cartridge Co., East Alton, Ill. "Protecto-Spool" (Electric)

CAPS, Bolt, Nut and Screw

Rawlplug Co., 98 Lafayette, New York, N. Y. "Crowners," "Lok-Crowners," "Insulok-Crowners"

CAPS, Bottle

Acme Cork Co., 899 3rd Av., New York, N. Y.
American Can Co., 230 Park Av., New York, N. Y.
Anchor Cap & Closure Corp., 22 Queens, Long Island City, N. Y.
Atlas Tack Corp., Fairhaven, Mass. "Primo"
Bernardin Bottle Cap Co., Evansville, Ind.
Best Mfg. Co., New Haven, Conn. "Spear"
Bond Mfg. Corp., Wilmington, Del.
Consolidated Cork Corp., 49 Bogart, Bklyn., N. Y.
Crown Cap Mfg. Co., 201 37th, Bklyn., N. Y.
Crown Cork & Seal Co., Inc., Highlandtown, Baltimore, Md. "Home Use," "Pyramid," "Re-Ly-On"
Gem Stopper Co., Phila., Pa.
Graham Metal Mfg. Co., Inc., Kansas City, Mo. "Han Tite," "MiXit"
Handy Cap Co., 86 Park Place, Newark, N. J.
Huntington Rubber Mills, Portland, Oregon. "Uze-Again" (Rubber)
Imperial Metal Mfg. Corp., 38-01 Queens Blvd., Long Island City. "Leak-Proof"
Lasher-Weeber Co., Boston, Mass. "Tite Fit"
Molding Corp. of America, Providence, R. I.
Mundet (L.) & Sons, 9. 11th & Berry, Bklyn., N. Y.
Ohio Bottle Cap Co., Piqua, O.
Phoenix-Hermetic Co., 3720 14th Av., Bklyn., N. Y.
Ray (Geo. A.) Mfg. Co., Buffalo, N. Y.
Toledo Bottle Cap Co., Toledo, O. "Sure-Pull"
Truslow & Fulle, Inc., 42 Wilson, Bklyn., N. Y.
Tuttle Press Co., Appleton, Wis.
Universal Metal Goods Co., Chicago, Ill. "Unico"
Waterbury Mfg. Co., Waterbury, Conn.
Williams Sealing Corp., Decatur, Ill.

CAPS, Bottle, Milk

Aluminum Goods Mfg. Co., Manitowoc, Wis.
Crown Cork & Seal Co., Inc., Highlandtown, Baltimore, Md. "Dacro"
Evans (S. W.) & Son, Phila., Pa.
Gem Stopper Co., Phila., Pa. "Lightning" (Tin)
Gordon Mfg. Co., 110 E. 23rd, New York, N. Y. "Pierce-Cap"
Isla Mfg. Co., Boston, Mass. "Stapure"
Miller (Robt. E.), Inc., 35 Pearl, New York, N. Y. "Spear-Cap"
National Mfg. Co., Kansas City, Mo.
Ohio Bottle Cap Co., Piqua, O.
Piqua Cap Co., Piqua, O.
Thatcher Mfg. Co., Elmira, N. Y.
Toledo Bottle Cap Co., Toledo, O. "Sani-Draw," "Standard"
Vaughan Novelty Mfg. Co., Chicago, Ill.

CAPS, Chimney

Adams Co., Dubuque, Ia.
Hoeft & Co., Inc., North Chicago, Ill. "Moe's"
Hudson (H. D.) Mfg. Co., Chicago, Ill.
Maple City Furnace Co., Monmouth, Ill.
Standard Ventilator Co., Lewisburg, Pa.
Sterling Fdry Co., Sterling, Ill. "Best"
Quinn Wire & Iron Wks., Boone, Ia. "Dandy"

CAPS, Fruit Jar

American Can Co., 230 Park Av., New York, N. Y. "Sanicap"
Anchor Cap & Closure Corp., 22 Queens, Long Island City, N. Y.
Autoyre Co., Oakville, Conn.
Ball Bros. Co., Muncie, Ind. "Boyd"
Bernardin Bottle Cap Co., Evansville, Ind.
Crown Cork & Seal Co., Highlandtown, Baltimore, Md.
Hazel Atlas Glass Co., Wheeling, W. Va.
Kerr Glass Mfg. Corp., Sand Springs, Okla. "Economy"
Keystone Lantern Co. (Tacony), Phila., Pa.

CAPS, HUNTING—See Hats, Hunting

CAPS, OUTING—See Hats, Outing

CAPS, Pipe—See Fittings, Pipe

CAPS, Roofing

Barrett Co., 40 Rector, New York, N. Y.
Braden Mfg. Co., Terre Haute, Ind.
Globe Iron Roofing & Corrugating Co., Inc., Newport, Ky.
Heartley Mach. Variety Iron & Tool Wks., Toledo, O.
Jackes-Evans Mfg. Co., St. Louis, Mo.
Merwin Mfg. Co., Erie, Pa.
National Enameling & Stamping Co., Milwaukee, Wis.
Roberston (W. F.) Steel & Iron Co., Cincinnati, O.
Stratton & Terstegge Co., Inc., Mfg. Div., Louisville, Ky. "Falls City"
Stuber & Kuck Co., Peoria, Ill.
Wheeling Corrugating Co., Wheeling, W. Va.

CAR BITS—See Bits, Car

CAR DOOR ROLLERS—See Rollers, Door, Car

CAR HOPPER WRENCHES—See Wrenches, Hopper, Car

CAR MOVERS—See Movers, Car

CAR WASHERS—See Washers, Vehicle

CARBIDE, Calcium

Air Reduction Sales Co., 342 Madison Av., New York, N. Y. "National"
American Carbolite Co., Duluth, Minn. "Carbolite"
Shawinigan Products Corp., 350 5th Av., New York, N. Y.
Union Carbide Sales Co., 30 E. 42d, New York, N. Y.

CARBON SCRAPERS—See Scrapers, Carbon

CARD GAMES—See Games, Card

CARD HOLDERS—See Holders, Card

CARD TABLE TRAYS—See Trays, Card Table

CARD TABLES—See Tables, Card

CARDS, Cotton and Wool

Sandvik Saw & Tool Corp., Minneapolis, Minn. "Mustad" (Imported)
Watson & Williams Mfg. Co., Leicester, Mass. "Wasco"

CARDS, Curry—See Combs, Curry

CARDS, File—See Cleaners, File

CARDS, Playing

Adams (S.S.) Co. Asbury Park, N. J.
Ball (A.) & Bro., Chicago, Ill.
Clark, W. L. M., St. Louis, Mo. (Tiles)
Consolidated-Dougherty Card Co., Inc., 1134 B'way, New York, N. Y.
Russell Playing Card Co., 200 5th Av., New York, N. Y.
Standard Playing Card Co., Chicago, Ill.
United States Playing Card Co., Cincinnati, O. "Bicycle," "Congress"

CARDS and BOOKS, Price

Boutwell, Owens & Co., Inc., Leominster, Mass.
Davis-Smith Co., Boston, Mass. "Sezit" (Tickets)
Dennison Mfg. Co., Framingham, Mass. (Tickets)
Garrison-Wagner Co., St. Louis, Mo.
National Blank Book Co., Holyoke, Mass.
Phenix Box & Label Co., Kansas City, Mo. (Cards)
Reeve (Hurum E.) Co., Torrance, Cal. (Tickets)
Wilson-Jones Loose Leaf Co., Chicago, Ill.

CARNIVAL DOLLS—See Dolls, Character; also Dolls, Composition; also Dolls, Novelty

CARNIVAL, HORNS, TOY, ETC.—See Horn, Carnival Toy, etc.

CARPENTERS' ADZES—See Adzes

CARPENTERS' APRONS—See Aprons, Canvas

CARPENTERS' CHALK—See Chalk, Carpenters'

CARPENTERS' CHISELS—See Chisels, Carpenters'

CARPENTERS' CLAMPS—See Clamps, Carpenters'

CARPENTERS' GAGES—See Gages, Carpenters'

CARPENTERS' GOUGES—See Chisels and Gouges, Carpenters'

CARPENTERS' PENCILS—See Pencils, Carpenters'

CARPENTERS' SLICKS—See Slicks, Carpenters'

CARPENTERS' SQUARES—See type desired, under Squares

CARPENTERS' TOOLS—See article desired

CARPET BEATERS—See Beaters, Carpet and Rug

CARPET CLEANERS—See Cleaners, Carpet

CARPET CLEANING MACHINERY—See Machinery, Carpet Cleaning

CARPET NAILS—See Nails, Carpet

CARPET NEEDLES—See Needles, Packing & Bagging

CARPET SCRUBBERS—See Machinery, Carpet Cleaning

CARPET STRETCHERS—See Stretchers, Carpet

CARPET SWEEPERS—See Sweepers, Carpet

CARPET SWEEPERS, Toy—See Sweepers, Carpet, Toy

CARPET TACKS—See Tacks, Carpet

CARPET WASHERS—See Machinery, Carpet Cleaning

CARRIAGE BOLTS—See Bolts, Carriage

CARRIAGE and WAGON HARDWARE
(See also article desired)

Allith-Prouty Co., Danville, Ill. (Wagon only)
American Brass Novelty Co., Grand Haven, Mich.
American Skein & Fdry. Co., Racine, Wis.
Blakeslee Forging Co., Plantsville, Conn.
Bonney Forge & Tool Wks., Allentown, Pa.
Burgess-Norton Mfg. Co., Geneva, Ill. "Bur-Nor"
Clapp (E. D.) Mfg. Co., Auburn, N. Y.
Cleveland Hdw. Co., Cleveland, O.
Colebrookdale Iron Co., Boyertown, Pa. (Wagon Skeins)
Columbus Bolt Wks. Co., Columbus, O.
Cowles (C.) & Co., New Haven, Conn.
Douglas & Lomason Co., Detroit, Mich.
Eberhard Mfg. Co., 2790 Tennyson Rd., Cleveland, O.
Hager (C.) & Sons Hinge Mfg. Co., St. Louis, Mo.
Harvey Spring & Forging Co., Racine, Wis.
Hesse Mfg. Co., Leavenworth, Kan.
Kentucky Wagon Mfg. Co., Louisville, Ky.
National Malleable & Steel Castings Co., Cleveland, O. "McPhail"
Oliver Iron & Steel Co., Pittsburgh, Pa.
Queen City Forging Co., Cincinnati, O. (Carriage)
Republic Steel Corp., Upson Nut Div., Cleveland, O. "Upson"
Searles Mfg. Co., 29 Mulberry, Newark, N. J.
Southern Skein & Foundry Co., Chattanooga, Tenn.
Stant (Geo.) Mach. Wks., Connersville, Ind.
U. S. Clothes Pin Co., Montpelier, Vt. "Carriage Trimmer Clip"
Wilcox (D.) Mfg. Co., Mechanicsburg, Pa.
Woodruff (Walter W.) & Sons Co., Mt. Carmel, Conn.

CARRIAGE CLIPS—See Clips, Axle, Carriage and Wagon

CARRIAGE ELEVATORS—See Elevator, Carriage, Automobile, Etc.

CARRIAGE STUMP JOINTS—See Joints, Stump Carriage

CARRIAGES, Baby

Atlas Hammock Co., 58 E. 25th, New York, N. Y. "Handy Kab"
Bloch Go-Cart Co., Phila., Pa.
Carriage & Toy Co., Baltimore, Md.
Collier-Keyworth Co., Gardner, Mass.
Gendron Wheel Co., Toledo, O.
Geneva Mfg. Co., Geneva, Ill.
Hartshorn, C. H., Gardner, Mass.
Hedstrom-Union Co., Gardner, Mass.
Heywood-Wakefield Co., Boston, Mass. "Quality Seal"
Kumfy Kab Co., La Porte, Ind.
Perfection Mfg. Co., St. Louis, Mo. (Folding)
Ramsdell (L. B.) Co., Gardner, Mass.
Siebert (O. W.) Co., Gardner, Mass.
Toledo Metal Wheel Co., Toledo, O. "Blue Streak"
Thayer (H. N.) Co., Erie, Pa.
Wagner (E. R.) Mfg. Co., North Milwaukee, Wis.
Whitney (F. A.) Carriage Co., Leominster, Mass.

CARRIAGES, Doll
(See also Carts, Go, Doll)

American-National Co., Toledo, O.
Bloch Go-Cart Co., Phila., Pa.
Carriage & Toy Co., Baltimore, Md.
Gem Crib & Cradle Co., Gardner, Mass.
Gendron Wheel Co., Toledo, O.
Hedstrom-Union Co., Gardner, Mass.
Heywood-Wakefield Co., Boston, Mass. "Quality Seal"
Kumfy-Kab Co., La Porte, Ind.
Monarch Products Co., Tiffin, O.
South Bend Toy Mfg. Co., South Bend, Ind.
Thayer (H. N.) Co., Erie, Pa.
Toledo Metal Wheel Co., Toledo, O. "Blue Streak"
Whitney Reed Corp., Leominster, Mass.

CARRIAGEMAKERS' CLAMPS—See Clamps, Carriagemakers'

CARRIERS, Animal

Ajax Trunk & Sample Case Co., 418 W. 25th, New York, N. Y.
Backus (A.) Jr. & Sons, Detroit, Mich.
Brauer Bros., Inc., St. Louis, Mo.
Fibre Case & Novelty Co., 536 W. 23d, New York, N. Y.
Fibre Specialty Mfg. Co., Kennett Square, Pa.
Graton & Knight Co., Worcester, Mass.
Kennedy Mfg. Co., Van Wert, Ohio.
Lefkowitz (Louis) & Bro., 1 Greene, New York, N. Y.
Loeb (Herman) & Co., 237 N. Lawrence, Phila., Pa.
Spratts Patent, Ltd., 14 Congress, Newark, N. J.
Warren Leather Goods Co., Worcester, Mass.
Wyeth Hdwe. & Mfg. Co., St. Joseph, Mo.
Zinn (Chas.) Co., 16 E. 15th, New York, N. Y.

CARRIERS, Battery

Honeycut Battery Corp., Kansas City, Mo.
Imperial Bit & Snap Co., Racine, Wis. "Elliott"

CARRIERS, Bottle

Cherry-Burrell Corp., Cedar Rapids, Ia.
Standard Wire & Tube Co., Mineral Ridge, O. "Perfection" (Wire)
Union Steel Products Co., Dept. 13, Albion, Mich.
Washburn Company, Worcester, Mass.

CARRIERS, Egg
(See also Boxes, Egg)

Adams, E. F., Petaluma, Cal.
Brower Mfg. Co., Quincy, Ill.
Central Egg Carrier Co., McGraw, N. Y. "Safetee"
Circular Egg Carrier Co., Vineland, N. J. (Parcel Post)
Creamery Package Mfg. Co., Chicago, Ill.
Defiance Box Co., Defiance, O.
East End Sheet Metal Co., Cleveland, O. (Parcel Post)
Elbs, John G., Rochester, N. Y. "Star"
Hoeft & Co., Inc., 2309 Davis, North Chicago, Ill. "Moe's" (Parcel Post)
Metal Egg Crate Co., Fredericksburg, Va.
Mit-Shel Stamping Mfg. Co., Quincy, Ill. "Farmers Friend"
Owosso Mfg. Co., Owosso, Mich. "Humpty-Dumpty"
Quincy Egg Carrier Co., Quincy, Ill.
Sefton Mfg. Corp., Chicago, Ill.
Standard Corrugated Box Co., St. Louis, Mo.
Star Egg Carrier & Tray Mfg. Co., Rochester, N. Y.
Turner Bros., Bladen, Neb. (Parcel Post)
U. S. Pulp Products Corp., Newark, N. Y.

CARRIERS, Feed

Clay Equipment Corp., Cedar Falls, Ia.
Drew Line Co., Fort Atkinson, Wis.
Franklin Equipment Co., Monticello, Ia.
Glor Bros. & Willis Mfg. Co., Attica, N. Y. "New Modern"
James Mfg. Co., Fort Atkinson, Wis.
Lincoln Barn Equipment Co., Lincoln, Neb. "Klinzing"
Louden Mchy. Co., Fairfield, Ia. "Standard"
Mast, Foos & Co., Springfield, O. "Buckeye"
Menasha Wood Split Pulley Co., Menasha, Wis. "Lawson"
Milwaukee Hay Tool Co., Milwaukee, Wis. "Leader"
Mitchell Mfg. Co., Milwaukee. Wis.
Ney Mfg. Co., Canton, O.
Porter (J. E.) Co., Ottawa, Ill.
Rassmann (F.) Mfg. Co., Beaver Dam, Wis. "Simplex"
Rochester Barn Equipment Co., Rochester, N. Y.
Rock Island Plow Co., Rock Island, Ill. "Great Western"
Starline, Inc., Harvard, Ill. "Jupiter Rod Track"
West Bend Equipment Co., West Bend, Wis.

CARRIERS, Hay

Advance Car Mover Co., Appleton, Wis. "Eagle," "Miller"
Farrell (John) & Son, Newton, N. J.
Goshen Mfg. Co., Goshen, Ind. "Hercules"
Hudson (H. D.) Mfg. Co., Chicago, Ill. "Dead Lock," "Janesville," "Strickler"
Hummer Plow Wks., Springfield, Ill. "W. S. & C."
Louden Mchy. Co., Fairfield, Ia. "Duplex," "Iowa," "Jewel," "Round Barn," "Royal," "Special," "Victor"
Milwaukee Hay Tool Co., Milwaukee, Wis. "Boomer Swivel," "Leader"
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O. "Clover Leaf," "Cross Draft," "Haymaker," "Imperial," "O. K." "Peerless," "Sure Grip," "Sure Lock"
Ney Mfg. Co., Canton, O. "Climax," "King"
Porter (J. E.) Co., Ottawa, Ill. "Meadow King," "Meadow Lark"
Rassmann (F.) Mfg. Co., Beaver Dam, Wis. "Acme" "Ajac," "Apex," "Badger," "Boyd No. 9," "Boyd Sling," "Stowell"
Rochester Barn Equipment Co., Rochester, N. Y.
Starline, Inc., Harvard, Ill. "Harvester"

CARRIERS, Litter—See Carriers, Manure or Litter

CARRIERS, Luggage, Automobile

Atlas Specialty Mfg. Co., Chicago, Ill.
Banner Accessory Mfg. Co., St. Louis, Mo.
Barclay Mfg. Co., Muncie, Ind.
Bear Mfg. Co., Rock Island, Ill.
Boyle Mfg. Co., Los Angeles, Cal. "E-Z," "Sure Grip"
Buffington (C. A.) & Co., Berkshire, N. Y.
Bulldog Luggage Guard Co., Nashua, N. H.
Chicago Tool & Kit Mfg. Co., Chicago, Ill. "Out-Of-Site"
Duluth Tent & Awning Co., Duluth, Minn. "Autopack"
Fostoria Pressed Steel Corp., Fostoria, O. "Presteel"
Gold Medal Folding Furniture Co., Racine, Wis.
Gregg Mfg. Co., Fredericktown, O.
Illinois Metal Products Co., Inc., Fulton, Ill.
Kales Stamping Co., Detroit, Mich.
Kiernan (W. C.) & Co., Whitewater, Wis. "Camp Carrier"
Kittle Mfg. Co., Los Angeles, Cal.
Knapp-Monarch Co., Belleville, Ill. "Tourac"
Le Compte Mfg. Co., 280 Badger Av., Newark, N. J.
Market Forge Co., Everett, Mass.
Mazura Mfg. Co., St. Louis, Mo.
Pratt (Wm. E.) Mfg. Co., Chicago, Ill.
Ramsey Bros. Mfg. Co., Toledo, O.
Reading Hdwe. Co., Reading, Pa. "Adkins"
Roth (G. A.) Mfg. Co., Hastings, Neb. "Red Cat"
Scharton Iron Products Co., Racine, Wis. "Sipco"
Wald Mfg. Co., Inc., Maysville, Ky.
Watts-Morehouse Mfg. Corp., Jackson, Mich.
Williams (H. E.) Products Co., Carthage, Mo.

CARRIERS, Luggage, Bicycle

Barbee Wire & Iron Wks., Lafayette, Ind.
Bogert & Hopper, 223 Varick, New York, N. Y.
Chicago Cycle Supply Co., Chicago, Ill.
Ero Mfg. Co., Chicago, Ill.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Johnson's (Iver) Arms & Cycle Wks., Fitchburg, Mass.
Kittle Mfg. Co., Los Angeles, Cal.
McKinnon Dash Co., Buffalo, N. Y.
Mazura Mfg. Co., St. Louis, Mo.
Persons-Majestic Mfg. Co., Worcester, Mass.
Reed Co., Palo Alto, Cal.
Stoll Mfg. Co., Denver, Colo.
Tie Co., Unadilla, N. Y.
Wald Mfg. Co., Inc., Maysville, Ky.
Warren Leather Goods Co., Worcester, Mass.
Washburn Company, Worcester, Mass.

CARRIERS, Manure or Litter

Allith-Prouty Co., Danville, Ill.
Clay Equipment Corp., Cedar Falls, Ia.
Drew Line Co., Fort Atkinson, Wis.
Franklin Equipment Co., Monticello, Ia.
Glor Bros. & Willis Mfg. Co., Attica, N. Y. "New Modern"
Hall Mfg. Co., Cedar Rapids, Ia.
Hudson (H. D.) Mfg. Co., Chicago, Ill. "Beats All," "Libbey," "Raylo," "Standard," "Strickler"
James Mfg. Co., Fort Atkinson, Wis. "Big Boy," "Mascot"
Louden Mchy. Co., Fairfield, Ia. "Emancipator"
Mast, Foos & Co., Springfield, O. "Buckeye"
Milwaukee Hay Tool Co., Layton Pk., Milwaukee, Wis. "Leader"
Mitchell Mfg. Co., Milwaukee, Wis.
Ney Mfg. Co., Canton, O.
Porter (J. E.) Co., Ottawa, Ill.
Rassmann (F.) Co., Beaver Dam, Wis. "Simplex"
Rock Island Plow Co., Rock Island, Ill. "Great Western"
Starline, Inc., Harvard, Ill.
West Bend Equipment Co., West Bend, Wis.

CARRIERS, Milk Bottle

Grand Rapids Wire Products Co., Grand Rapids, Mich.
Jeffrey Mfg. Co., Columbus, O.
Kitchen Aid Mfg. Co., Troy, O.
Koven (L. O.) & Bro., 154 Ogden Av., Jersey City, N. J.
Lamson Co., Inc., Syracuse, N. Y.
Millsite Steel & Wire Wks., Howell, Mich.
Parker Wire Goods Co., Worcester, Mass.
Union Steel Products Co., Albion, Mich.
United Steel & Wire Co., Battle Creek, Mich.
Vaughan Novelty & Mfg. Co., Chicago, Ill.
Washburn Company, Worcester, Mass.

CARRIERS, Refrigerator

R. & R. Appliance Co., Inc., Findlay, O. "Easy-Way"

CARS, Children's, Walking, Hand or Foot Power

American-Acme Co., Emigsville, Pa.
American-National Co., Toledo, O.
Art-in-Toys, Rochester, N. Y.
Automatic Cradle Mfg. Co., Stevens Point, Wis. "Flivver"
Auto-Wheel Coaster Co., Inc., North Tonawanda, N. Y.
Baker (W. J.) Co., Newport, Ky.
Brown (E. C.) Co., Rochester, N. Y. "Velo-King"
Carriage & Toy Co., Baltimore, Md.
Converse-Mason Corp., Winchendon, Mass.
Corcoran Mfg. Co., Washington, Ind. "Cor-Cor"
Crosley Manufacturing Co., Cincinnati, O. "Go-bi-bi"
Gardner Crib & Cradle Co., Gardner, Mass. "Joy Riders"
Gendron Wheel Co., Toledo, O. "Pioneer"
Hill-Standard Co., Anderson, Ind. "Irish Mail"
Hirsch Bros., Milwaukee, Wis.
Janesville Products Co., Janesville, Wis. "Skudder Car"
Joytoys. Inc., Chicago, Ill. "Jungle Car"
Keen Corp., Seattle, Wash "See Me Go" (Pedal)
Keystone Lantern Co (Tacony), Phila., Pa. "Kido-bike"
Kumfy-Kab Co., La Porte, Ind.
Merremaker Corp., Minneapolis, Minn.
Metalcraft Corp., St. Louis, Mo.
Monarch Products Co., Tiffin, O.
Schmid Bros., Lancaster, Pa.
Sheboygan Coaster & Wagon Wks., Sheboygan, Wis. (Buddy Bike)
Standard Safety Corp., Los Angeles, Cal. "Springo"
Starline, Inc., Harvard, Ill. "Cannon Ball," "Overland"
Taylor (Frank F.) Co., Norwood, Cincinnati, O. "Taylor-Tot"
Toledo Metal Wheel Co., Toledo, O. "Blue Streak" (Aeroplane)
Toy Kraft Co., Wooster, O.
United Mfg. Co., Inc., Phila., Pa. "Mercury"
White (H. C.) Co., N. Bennington, Vt. "Kar-De-Luxe," "Kiddie-Kar," "Kiddie-Pedal-Kar," "Kiddie-Road-Ripper," "White Ace"
White Coaster Wagon Wks., Sheboygan Falls, Wis.
Wilder Mfg. Co., St. Louis, Mo. "Fast Mail"

CARS, Hand, Children's

American-National Co., Toledo, O.
Automatic Cradle Mfg. Co., Stevens Point, Wis. "Fliver"
Brown (E. C.) Co., Rochester, N. Y.
Colson Co., Elyria, O. "Fairy," "Keen"
Crosley Radio Corp., Cincinnati, O
Garton Toy Co., Sheboygan, Wis.
Gem Crib & Cradle Co., Gardner, Mass. "Joy Riders"
Gendron Wheel Co., Toledo, O. "Pioneer"
Hill-Standard Co., Anderson, Ind.
Janesville Products Co., Janesville, Wis. "Spee-Dee"
Keystone Lantern Co. (Tacony), Phila., Pa.
Kirk-Latty Mfg. Co., Cleveland, O.
Merremaker Corp., Minneapolis, Minn. "Rowcycle,.
Sheboygan Coaster & Wagon Wks., Sheboygan, Wis.
Standard Safety Corp., Los Angeles, Cal. "Springo"
Starline, Inc., Harvard, Ill. "Overland"
Taylor (Frank F.) Co., Norwood, Cincinnati, O. "Taylor-Tot"
Toledo Metal Wheel Co., Toledo, O. "Blue Streak"
White Coaster Wagon Works, Sheboygan Falls, Wis.

CARS, PEDAL—See Cars, Children's, Walking, Hand or Foot Power

CARTONS—See Boxes, Paper, Folding

CARTRIDGE BAGS—See Bags, Ammunition

CARTRIDGE BELTS—See Belts, Cartridge

CARTRIDGE BOXES—See Boxes, Cartridge

CARTRIDGE LOADERS—See Loaders, Cartridge

CARTRIDGE LOADING TOOLS—See Tools, Loading, Cartridge and Shell

CARTRIDGES, Rifle, Pistol, Etc.

Peters Cartridge Co., Dept. I-53, Kings Mills, O. "Gildkote," "Rustless 22's," "High Velocity 22's"
Remington Arms Co., Inc., Bridgeport, Conn. "Hi-Speed Kleanbore," "Palma Kleanbore," Palma Hi-Speed Kleanbore," "Palma Match Lesmok," "Silvadry Kleanbore," "Silvadry Hi-Speed Kleanbore"
Savage Arms Corp., Utica, N. Y.
U. S. Cartridge Co., 111 B'way, New York, N. Y. "Copperhead," "Copperhead Speedsters," "N. R. A.," "Self-Cleaning," "U. S."
Western Cartridge Co., East Alton, Ill. "Boat-Tail," "Lubaloy"
Winchester Repeating Arms Co., New Haven, Conn. "Staynless," "Super Speed"

CARTS, Barrel

Austin (W. E.) Mchy. Co., Atlanta, Ga.
Barnes Mfg. Co., Mansfield, O.
Biehl Iron Wks., Reading, Pa.
Brown-Manly Plow Co., Malta, O. "Malta"
Deming Co., Salem, O.
Eckardt Mfg. Co., St. Paul, Minn.
Farm Tools, Inc., Mansfield, O. "Butler"
Gray Iron Foundry Co., Reading, Pa. "Keystone"
Independent Harvester Co., Plano, Ill.
Insley Mfg. Co., Indianapolis, Ind.
Jackson Mfg. Co., Harrisburg, Pa.
La Crosse Plow Co., La Crosse, Wis. "Jim Dandy," "Rival"
Lakewood Engineering Co., Cleveland, O.
Lansing Co., Lansing, Mich.
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O.
Penn Fdry. & Mfg. Co., Reading, Pa.
Puffer-Hubbard Mfg. Co., Minneapolis, Minn. "Duplex," "Eclipse," "Platform"
Ransome Concrete Mchy. Co., Dunellen, N. J.
South Bend Chilled Plow Co., South Bend, Ind.
Sterling Wheelbarrow Co., Milwaukee, Wis.
Toledo Wheelbarrow Co., Toledo, O. "Bull Frog"

CARTS, Go, Doll
(See also Carriages, Doll)

American-National Co., Toledo, O.
Bloch Go-Cart Co., Phila., Pa.
Heywood-Wakefield Co., Boston, Mass.
Toy Kraft Co., Wooster, O.
Whitney Bros. Co., Marlboro, N. H.
Whitney Reed Corp., Leominster, Mass.

CARTS, Play

Clement Toy Co., North Weare, N. H.
Dayton Toy & Specialty Co., Dayton, O. "Daton"
Drees (Con F.) Co., Covington, O.
Drewry Bros., North Weare, N. H.
Gem Crib & Cradle Co., Gardner, Mass.
Gendron Wheel Co., Toledo, O. "Pioneer"
Gibbs Mfg. Co., Canton, O.
Gong Bell Mfg. Co., E. Hampton, Conn. "Placart"
Klein Mfg. Co., Burlington, Ia.
Mengel Co., St. Louis, Mo.
Paris Mfg. Co., S. Paris, Me.
Pressed Metal Products Co., Cleveland, O. "Humpty-Dumpty"
Sheboygan Coaster & Wagon Wks., Sheboygan, Wis.
Smith (S. A.) Mfg. Co., Brattleboro, Vt.
Steel Stamping Co., Lorian, O.
Toy Kraft Co., Wooster, O.
White (H. C.) Co., N. Bennington, Vt. "Kiddie Kart"
Wilder Mfg. Co., St. Louis, Mo.

CARTS, Push, Hand

Brown-Manly Plow Co., Malta, O. "Malta"
Brown Mfg. Co., Zanesville, O.
Case Crane & Kilbourne Jacobs Co., Columbus, O. "K. & J"
Fairbanks Co., 393 Lafayette, New York, N. Y.
Farm Tools, Inc., Mansfield, O. "Butler"
La Crosse Plow Co., La Crosse, Wis.
Lansing Co., Lansing, Mich.
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O.
Peru Plow & Wheel Co., Peru, Ill.
Puffer-Hubbard Mfg. Co., Minneapolis, Minn. "Parcel Post"

CARVING KNIVES—See Knives, Carving

CARVING SETS—See Sets, Carving

CARVING TOOLS—See Tools, Wood Carving

CASE HARDENED NUTS—See Nuts, Case Hardened

CASEMENT BUTTS—See Butts, Casement

CASEMENT WINDOW ADJUSTERS—See Adjusters, Window, Casement

CASEMENT WINDOW FASTENERS—See Adjusters, Window, Casement

CASEMENT WINDOW HARDWARE
(See also Adjusters, Window Casement)

American Brass Goods Co., Grand Rapids, Mich.
Barrows Lock Works of Yale & Towne Mfg. Co., Lockport, Ill.
Bunker-Clancey Mfg. Co., Kansas City, Mo. "B-C"
Casement Hardware Co., Chicago, Ill. "Win-Dor"
Champion Hardware Co., Geneva, O.
Corbin, P. & F., New Britain, Conn.
Fiwale Equipment Mfg. Co., Inc., 64 Reade, New York, N. Y.
General Hdw. & Mfg. Co., Phila., Pa.
Goldhill Hdw. Mfg. Co., Los Angeles, Cal.
Grant Pulley & Hdw. Co., 101 Park Av., New York, N. Y.
Hagstrom Mfg. Co., Glen Cove, N. Y.
Hoffman (Andrew) Mfg. Co., Chicago, Ill.
Ives (H. B.) Co., New Haven, Conn.
Midwest Hdw. Co., Chicago, Ill.
Monarch Metal Products Co., St. Louis, Mo.
National Brass Co., Grand Rapids, Mich.
Parker-Regan Corp., San Francisco, Cal. "Casewin"
Payson Mfg. Co., Chicago, Ill.
Penn Hdw. Co., Reading, Pa.
Phenix Mfg. Co., Milwaukee, Wis.
Richards-Wilcox Mfg. Co., Aurora, Ill. "Air-Way"
Rixson (Oscar C.) Co., Chicago, Ill.
Sager Lock Works of Yale & Towne Co., N. Chicago, Ill.
Sargent & Co., New Haven, Conn.
Sharon Hardware Mfg. Co., Sharon, Pa.
Shelby Spring Hinge Co., Shelby, O.
Stanley Works, New Britain, Conn.
United Specialties Mfg. Co., Ltd., Richmond Hill, N. Y. "Casehold," "Flexostay," "Staylock"
Watertite Casement Hdw. Co., Los Angeles, Cal.
Whitney (Vincent) Co., San Francisco, Cal. "Whitco"
Yale & Towne Mfg. Co., Stamford, Conn.

CASEMENT WINDOW HINGES—See Hinges, Window, Casement

CASEMENT WINDOW OPERATORS—See Operators, Window, Casement

CASEMENT WINDOW STAYS—See Stays, Window, Casement

CASEMENTS—See under Casing; also under Windows

CASES, Ammunition

Alward-Anderson-Southard Co., Chicago, Ill.
Bogert & Hopper, 223 Varick, New York, N. Y.
Brauer Bros., Inc., St. Louis, Mo. "Moose Brand"
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Kennedy Mfg. Co., Van Wert, O.

CASES, Bolt and Screw

Aurora Equipment Co., Aurora, Ill. "Equipto"
Berger Mfg. Co., Canton, O. "Berloy"
Duluth Show Case Co., Duluth, Minn.
Heller (W. C.) & Co., Montpelier, O.
Hobart Bros. Co., Troy, O. "H. B."
Lyon Metal Products, Inc., Aurora, Ill.
New Britain Mach. Co., New Britain, Conn.
Warren (J. D.) Mfg. Co., Chicago, Ill.

CASES, Comb, Nail File, Etc.

National Enameling & Stamping Co., Milwaukee, Wis.
National Sheet Metal Co., Peru, Ill.
White (W. B.) & Son, Quincy, Mass.

CASES, Display
(See also Fixtures, Display)

American Fixture & Showcase Mfg. Co., St. Louis, Mo.
Aurora Equipment Co., Aurora, Ill. "Equipto"
Baker-Case Mfg. Co., Racine, Wis.
Barrom Co., Ludington, Mich.
Cabinet Shop, Lincoln, Neb.
Catherman (J. A.) Mfg. Co., Beaver Springs, Pa.
Detroit Show Case Co., Detroit, Mich. "Desco," "Silent Salesman"
Duluth Show Case Co., Duluth, Minn.
Fort Scott Planing Mill, Fort Scott, Kan.
General Display Case Co., Inc., 57 Greene, New York, N. Y.
Grand Rapids Store Equipment Co., Grand Rapids, Mich.
Heller (W. C.) & Co., Montpelier, O.
Herrick Refrigerator & C. S. Co., Waterloo, Ia.
Lee Strauss Co., Inc., Johnstown, Pa.
Minneapolis Show Case Mfg. Co., Inc., Minneapolis, Minn.
Morton Show Cases, Inc., Washington, C. H., O. "Winner"
Specialty Display Case Co., Kendallville, Ind.
Waddell Co., Inc., Greenfield, O.
Warren (J. D.) Mfg. Co., Chicago, Ill. "Sho-well"
Wellston Mfg. Co., Wellston, O. "Eclipse," "Revolvo"

CASES, Egg—See Boxes, Egg

CASES, Gun

Alward-Anderson-Southard Co., Chicago, Ill.
Brauer Bros., Inc., St. Louis, Mo. "Moose Brand"
Drybak Corp., Binghamton, N. Y. "Alward"
Heiser (Herman H.) Saddlery Co., Denver, Colo.
Lawrence (George) Co., Portland, Ore.
Lehon Co., Chicago, Ill.
Nott (W. S.) Co., Minneapolis, Minn.
Red Head Brand Co., Chicago, Ill.
Redifor Rod & Reel Co., Warren, O.
Rome Sporting Goods Mfg. Co., Rome, N. Y.
Schoellkopf Co., Dallas, Tex.
Southern Saddlery Co., Chattanooga, Tenn.
Wyeth Hdw. & Mfg. Co., St. Joseph, Mo.

CASES, Horseshoe Carrying

Diamond Calk Horse Shoe Co., 4622 Grand Av., Duluth, Minn.

CASES, Key

Atlantic Specialty Co., 71 Goerck, New York, N. Y.
Baltimore Leather Goods Co., Baltimore, Md.
Bates Brothers Co., Inc., Athol, Mass.
Bosworth (E. J.) Specialty Co., Rochester, N. Y. (Adv. Novelties)
Buxton, Inc., Springfield, Mass.
Cabot (H. H.) & Co., Phila., Pa.
Gallagher, A. J., Phila., Pa.
Independent Lock Co., Fitchburg, Mass. "Ilco"
Pine, Geo. D., 89 Chambers, New York, N. Y.
Reed-Cook, Inc., Camden, N. J.
Southern Saddlery Co., Chattanooga, Tenn.
Urich (B.) Co., Milwaukee, Wis.

CASES, Knife

Alward-Anderson-Southard Co., Chicago, Ill.
Graton & Knight Co., Worcester, Mass.
Marble Arms & Mfg. Co., Gladstone, Mich.
Rome Sporting Goods Mfg. Co., Rome, N. Y.

CASES, Racket—See Covers, Racket

CASES, Razor Roll

Torrey (J. R.) Razor Co., Worcester, Mass.

CASES, Reel

Abbey & Imbrie, Utica, N. Y.
Alward-Anderson-Southard Co., Chicago, Ill.
Brauer Bros., Inc., St. Louis, Mo.
Enterprise Mfg. Co., Dept. HA, Akron, O.
Lefkowitz (Louis) & Bro., 1 Greene, New York, N. Y.
Shakespeare Co., Kalamazoo, Mich. "Takapart"
Stratton & Terstegge Co., Louisville, Ky. "Falls City"
Wyeth Hdw. & Mfg. Co., St. Joseph, Mo.

CASES, Rifle—See Cases, Gun

CASES, Rod

Abbey & Imbrie, Utica, N. Y.
Alward-Anderson-Southard Co., Chicago, Ill.
Brauer Bros., Inc., St. Louis, Mo.
Chubb (T. H.) Rod Co., Post Mills, Vt.
Enterprise Mfg. Co., Dept. HA, Akron, O.
Horrocks-Ibbotson Co., Dept. S., Utica, N. Y.
Kennedy Mfg. Co., Van Wert, O.
Lefkowitz (Louis) & Bro., 1 Greene, New York, N. Y.
Richardson Rod & Reel Co., Chicago, Ill.
Shakespeare Co., Kalamazoo, Mich.
Stratton & Terstegge Co., Louisville, Ky. "Falls City"
Turner Bros., Wellington, O. "Delight"
Warren Leather Goods Co., Worcester, Mass.
Wyeth Hdw. & Mfg. Co., St. Joseph, Mo.

CASES, Show—See Cases, Display

CASES Tool—See Chests, Tool

CASES, Vacuum Bottle

Alward-Anderson-Southard Co., Chicago, Ill.
American Thermos Bottle Co., 366 Madison Av., New York, N. Y. "Thermos"
Brauer Bros., Inc., St. Louis, Mo.
Fibre Case & Novelty Co., 536 W. 23d, New York, N. Y.
Landers, Frary & Clark, New Britain, Conn.
Lefkowitz (Louis) & Bro., 1 Greene, New York, N. Y.
Novelty Turning Co., Norway, Me.
Rome Sporting Goods Mfg. Co., Rome, N. Y.
Sommer (John) Faucet Co., 32 Morris Av., Newark, N. J., U. S. A.
Warren Leather Goods Co., Worcester, Mass.
Wyeth Hdwe. & Mfg. Co., St. Joseph, Mo.

CASH BOXES—See Boxes, Cash

CASH DRAWERS—See Drawers, Cash, Money, etc.

CASHIERS' CAGES—See Cages and Wickets, Cashiers'

CASHIERS' WICKETS—See Cages and Wickets, Cashiers'

CASINGS, Door and Window, Metal

Globe Iron Roofing & Corrugating Co., Inc., Newport, Ky.
Lupton's (David) Sons Co., Phila., Pa.
Milcor Steel Co., Milwaukee, Wis.
Truscon Steel Co., Youngstown, O.

CASSEROLES

Aluminum Goods Mfg. Co., Manitowoc, Wis.
Buckeye Pottery Co., Macomb, Ill. "Blue Ribbon"
Fry (H. C.) Glass Co., Rochester, Pa.
Griswold Mfg. Co., Erie, Pa.
Hall China Co., East Liverpool, O.
Health-Maid, Inc., Cleveland, O.
Jennings Silver Co., Irvington, N. J.
Morton Pottery Co., Morton, Ill.
National Enameling & Stamping Co., Milwaukee Wis. "Nesco" (Electric)
Robeson-Rochester Corp., Rochester, N. Y.
Royal Metal Mfg. Co., Chicago, Ill.
U. S. Stamping Co., Moundsville, W. Va.
Wilmort Mfg. Co., Chicago, Ill.

CAST AXES—See Axes, Grey Iron

CAST IRON CEMENT—See Cement, Cast Iron

CAST IRON HOLLOW WARE—See Ware, Hollow

CAST IRON KETTLES—See Kettles, Cast Iron

CAST IRON PIPE—See Pipe

CAST IRON PIPE CUTTERS—See Cutters, Pipe, Cast Iron

CAST IRON PULLEYS—See Pulleys, Iron

CAST IRON WASHERS—See Washers, Iron and Steel

CASTELLATED NUTS—See Nuts, Castellated

CASTER CUPS—See Cups, Caster

CASTER NUTS—See Nuts, Caster

CASTERS, Bed and Furniture
(See also Slides, Furniture)

Adjustable Caster Co., Phila., Pa. "Adjusta"
Bassick Co., Bridgeport, Conn. "Atlasite," "Cornell," "Diamond Arrow," "Diamond Velvet," "Feltoid," "Gripneck," "Harvard," "Ideal," "Ruboid," "Schenck," "Steel Gem," "Swivlo," "Universal Standard," "Wizard Swivel"
Clark, (Geo. P.) Co., Windsor Locks, Conn.
Coleman Hdw. Co., Inc., Chicago, Ill.
Colson Co., Elyria, O.
Currie Mfg. Co., Chicago, Ill.
Darnell Corp., Long Beach, Cal.
Domes of Silence, Inc., 35 Pearl, New York, N. Y.
Elastic Tip Co., Boston, Mass.
Faultless Caster Co., Evansville, Ind. "Noelting"
Foster, Merriam & Co., Meriden, Conn. "Efemco"
G. G. G. Metal Stamping Co., Warren, Pa. "Roll-E-Z"
Hartford Glass Products Co., Hartford City, Ind. "Glasglide"
Hight (W. T.) Co., Boston, Mass. "Crystal Glides"
Jarvis & Jarvis, Palmer, Mass.
Keystone Friction Hinge Co., Williamsport, Pa.
National Lock Co., Rockford, Ill.
Payson Mfg. Co., Chicago, Ill.
Pennsylvania Stamping Corp., York, Pa.
Phoenix Caster Co., State & Bates, Indianapolis, Ind.
Saginaw Stamping & Tool Co., Saginaw, Mich.
Saul, Eugene C., Monadnock Bldg., San Francisco, Cal.
Schatz Mfg. Co. (Caster Division), Poughkeepsie, N. Y. "Acme"
Schriver (O. P.) & Co., Cincinnati, O. "Hercules," "I. X. L.," "Never-Break"
Tucker & Dorsey Mfg. Co., Indianapolis, Ind. "Boss," "Martin," "Stengel"
Up-To-Date Mach. Wks., Chicago, Ill. "Rollaway"
Wagner Specialty Co., Burlington, Wis. "Kleen Rests," "Slidelities"
Wrightsville Hdw. Co., Wrightsville, Pa.

CASTERS, Furniture—See Casters, Bed and Furniture; also Slides, Furniture

CASTERS, Glass

Hartford Glass Products Co., Hartford City, Ind. "Glasglide"
Hight (W. T.) Co., Boston, Mass. "Crystal Glides"
Onward Mfg. Co., Menasha, Wis.
Sneath Glass Co., Hartford, Ind. "Ez-Slyd"

CASTERS, Heavy Duty—See Casters, Stove and Truck

CASTERS, Sliding—See Slides, Furniture; also Gliders, Furniture

CASTERS, Stove and Truck

Adams Co., Dubuque, Ia.
Armstrong Truck Co., North Wales, Pa.
Bassick Co., Bridgeport, Conn. "Ruboid"
Bond Fdry. & Mach. Co., Manheim, Pa.
Chicago Hdw. Fdry. Co., N. Chicago, Ill. "Harper Handy"
Clark (Geo. P.) Co., Windsor Locks, Conn.
Coleman Hdw. Co., Inc., Chicago, Ill.
Continental Diamond Fibre Co., E. Newark, Del.
Currie Mfg. Co., Chicago, Ill.
Delaware Hard Fibre Co., Wilmington, Del.
Divine Bros. Co., Utica, N. Y.
Fairbanks Co., 393 Lafayette, New York, N. Y. (Truck)
Faultless Caster Co., Evansville, Ind.
Foster, Merriam & Co., Meriden, Conn. "Victor"
Grote (F.) Mfg. Co., Evansville, Ind.
Hamilton Caster & Mfg. Co., Hamilton, O.
Harrison & Reed Mfg. Co., Chicago, Ill.
Jarvis & Jarvis, Palmer, Mass.
Keystone Forging Co., Northumberland, Pa. "Forge-Steel" (Truck)
Lansing Co., Lansing, Mich.
Mullins Body Corp., Salem, O.
National Vulcanized Fibre Co., Wilmington, Del.
Nutting Truck Co., Faribault, Minn. (Truck)
Orangeville Mfg. Co., Orangeville, Pa.
Payson Mfg. Co., Chicago, Ill. "Harris"
Phoenix Caster Co., State & Bates, Indianapolis, Ind.
Reading Hdw. Co., Reading, Pa. (Truck)
Saginaw Stamping & Tool Co., Saginaw, Mich.
Sargent & Co., New Haven, Conn.
Schriver (O. P.) & Co., Cincinnati, O. "Hercules"
Service Caster & Truck Co., Albion, Mich.
Stearns (E. C.) & Co., Syracuse, N. Y. "Stearns Ecsco"
Sterling Wheelbarrow Co., Milwaukee, Wis.
Tucker & Dorsey Mfg. Co., Indianapolis, Ind.
Union Steel Products Co., Albion, Mich.

CASTERS, Trunk

Schatz Mfg. Co., Caster Div., Poughkeepsie, N. Y. "Acme"

CASTING LINES—See Lines, Casting

CASTING and TROLLING SPOONS and SPINNERS—See Spoons and Spinners, Trolling and Casting

CATALOG COMPILERS and PRINTERS

Cuneo Catalog Service Co., 22nd & Canal, Chicago, Ill.
Donnelley (R. R.) & Sons Co., Chicago, Ill.

CATCHERS' BODY PROTECTORS—See Protectors, Body

CATCHERS, Fly

Seibert, H. E., St. Paul, Minn.
Washburn Co., Chicago Div., Chicago, Ill.

CATCHERS, Grass, Lawn Mower

Canvas Products Co., St. Louis, Mo. "Nox-All Holdsmore"
Chadborn & Coldwell Mfg. Co., Newburgh, N. Y.
Coldwell Lawn Mower Co., Newburgh, N. Y.
F. & N. Lawn Mower Co., Richmond, Ind. "Chief," "Simplex"
Henley Lawn Mower Co., Richmond, Ind. "Ajax," "Automatic"
Pennsylvania Lawn Mower Works, Inc., Primos, Del. Co., Pa. "Braun"
Perfection Mfg. Co., St. Louis, Mo.
Philadelphia Lawn Mower Co., Inc., Phila., Pa.
Specialty Mfg. Co., St. Paul, Minn. "Detachable," "Easy Emptying"

CATCHERS' LEG GUARDS—See Guards, Leg, Catchers'

CATCHERS' MASKS—See Masks, Catchers'

CATCHES—See also Latches

CATCHES, Cupboard, Door, Screen Door, Etc.

American Brass Goods Co., Grand Rapids, Mich.
Atkinson Window Fixture Co., Oakland, Cal.
Barrows Lock Works of Yale & Towne Mfg. Co., Lockport, Ill.
Beacon Pressed Steel Co., Inc., Providence, R. I.
Beardsley & Wolcott Mfg. Co., Waterville, Conn.
Brainerd Mfg. Co., East Rochester, N. Y.
Brass Goods Mfg., 345 Eldert, Bklyn, N. Y.
Brock Glass Co., Ltd., Santa Ana, Cal.
Burg-La-Proof Window Catch Mfg. Co., Everett, Mass.
Champion Hdw. Co., Geneva, O.
Chantrell Hdw. & Tool Co., Reading, Pa.
Corbin Cabinet Lock Co., New Britain, Conn.
Corbin, P. & F., New Britain, Conn.
Cordrey Mfg. Co., Chula Vista, Cal.
Dent Hdw. Co., Fullerton, Pa.
Ellis Mfg. Co., Milldale, Conn.
Fernald Mfg. Co., North East, Pa.
Fiwale Equipment Mfg. Co., Inc., 64 Reade, New York, N. Y.
Forg (Peter) Mfg. Co., Somerville, Mass.
Franklin Tool Co., Buffalo, N. Y.
Frantz Mfg. Co., Sterling, Ill.
Frost (C. L.) & Son, Grand Rapids, Mich.
Grand Rapids Brass Co., Grand Rapids, Mich.
Grey Iron Casting Co., Mt. Joy, Pa.
Hagstrom Mfg. Co., Glen Cove, N. Y.
Ives (H. B.) Co., New Haven, Conn.
Keil (Francis) & Son, Inc., 401 E. 163d, New York, N. Y.
Lawrence Bros., Sterling, Ill.
Lockwood Mfg. Co., S. Norwalk, Conn.
McKinney Mfg. Co., Metropolitan St., Pittsburgh, Pa.
Moore Mfg. Co., Los Angeles, Cal. "Universal"
National Brass Co., Grand Rapids, Mich. "Dexter," "Essential"
National Brass Mfg. Co., Cincinnati, O.
National Lock Co., Rockford, Ill.
National Mfg. Co., Sterling, Ill.
Norwalk Lock Co., 12 Warren, New York, N. Y.
Payson Mfg. Co., Chicago, Ill.
Penn Hdw. Co., Reading, Pa.
Reading Hdw. Co., Reading, Pa.
Rite Hardware & Mfg. Corp., Los Angeles, Cal.
Russell & Erwin Mfg. Co., New Britain, Conn.
Safe Padlock & Hdw. Co., Lancaster, Pa.
Sager Lock Works of Yale & Towne Mfg. Co. N. Chicago, Ill.
Sargent & Co., New Haven, Conn.
Sharon Hdw. Mfg. Co., Sharon, Pa.
Shelby Metal Products Co., Shelby, O.
Shelby Spring Hinge Co., Shelby, O.
Slaymaker Lock Co., Lancaster, Pa.
Stanley Wks., New Britain, Conn.
Superior Door Catch Co., Superior, Wis.
Swenson (H. A.) Co., Los Angeles, Cal.
Technical Glass Co., Inc., 2050 E. 48th, Los Angeles, Cal. (Glass)
Wagner Mfg. Co., Cedar Falls, Ia.
Weber-Knapp Co., Jamestown, N. Y.
Wrightsville Hdw. Co., Wrightsville, Pa.
Yale & Towne Mfg. Co., Stamford, Conn.

CATCHES, Door—See Catches, Cupboard Door, Screen Door, etc.

CATCHES, Elbow

American Brass Goods Co., Grand Rapids, Mich.
American Specialty Co., Bridgeport, Conn.
Barrows Lock Wks. of Yale & Towne Mfg. Co., Lockport, Ill.
Beacon Pressed Steel Co., Inc., Providence, R. I.
Champion Hdw. Co., Geneva, O.

CATCHES, Elbow (Continued)

Clinton Lock Co., Clinton, Ia.
Corbin Cabinet Lock Co., New Britain, Conn.
Corbin, P. & F., New Britain, Conn.
Dent Hdw. Co., Fullerton, Pa.
Fernald Mfg. Co., North East, Pa.
Frost (C. L.) & Son, Grand Rapids, Mich.
Ives (H. B.) Co., New Haven, Conn.
Keil (Francis) & Son, Inc., 401 E. 163d, New York, N. Y.
Lockwood Mfg. Co., So. Norwalk, Conn.
National Brass Co., Grand Rapids, Mich. "Essential"
National Lock Co., Rockford, Ill.
Norwalk Lock Co., 12 Warren, New York, N. Y.
Peck, Stow & Wilcox Co., Southington, Conn.
Penn Hdw. Co., Reading, Pa.
Sager Lock Wks. of Yale & Towne Mfg. Co., No. Chicago, Ill.
Reading Hdw. Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn. "Russwin"
Sargent & Co., New Haven, Conn.
Shelby Spring Hinge Co., Shelby, O.
Yale & Towne Mfg. Co., Stamford, Conn.

CATCHES, Friction—See Catches, Cupboard Door, etc.

CATCHES, Screen Door—See Catches, Cupboard Door, Screen Door, etc.

CATCHES, Transom

Barrows Lock Works of Yale & Towne Mfg. Co., Lockport, Ill.
Champion Hdw. Co., Geneva, O.
Corbin, P. & F., New Britain, Conn.
Dent Hdw. Co., Fullerton, Pa.
Ives (H. B.) Co., New Haven, Conn.
Keil (Francis) & Son, Inc., 401 E. 163d, New York, N. Y.
Lockwood Mfg. Co., So. Norwalk, Conn.
National Brass Co., Grand Rapids, Mich. "Essential"
Norwalk Lock Co., 12 Warren, New York, N. Y.
Payson Mfg. Co., Chicago, Ill.
Penn Hdw. Co., Reading, Pa.
Reading Hdw. Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sager Lock Works of Yale & Towne Mfg. Co., North Chicago, Ill.
Sargent & Co., New Haven, Conn.
Shelby Metal Products Co., Shelby, O.
Shelby Spring Hinge Co., Shelby, O.
Slaymaker Lock Co., Lancaster, Pa.
Yale & Towne Mfg. Co., Stamford, Conn.

CATTLE BLANKETS—See Blankets, Horse and Cattle

CATTLE CLIPPING MACHINES—See Clipping Machines, Cattle

CATTLE LEADERS—See Leaders, Cattle; also Staffs, Bull

CATTLE PRODS—See Prods, Cattle

CATTLE STAKES—See Stakes, Cattle

CATTLE TIES—See Ties, Cattle

CAULKING COMPOUNDS—See Compounds, Caulking

CAULKING LEAD—See Lead, Caulking

CEDAR CHESTS—See Chests, Cedar; also Chests, Cedar, Toy

CEDAR PAILS—See Pails and Buckets, Wooden

CEILING HOOKS—See Hooks, Ceiling

CEILING PLATES—See Plates, Floor and Ceiling

CEILING PULLEYS—See Pulleys, Ceiling

CEILING VENTILATORS—See Ventilators, Ceiling

CELLAR DOOR HINGES—See Hinges, Strap and "T"

CELLAR DRAINERS—See Drainers, Cellar

CELLAR WINDOW FIXTURES—See Fixtures, Window, Cellar

CELLAR WINDOW HINGES—See Fixtures, Window, Cellar; also Sets, Window, Cellar; also under Hinges

CELLAR WINDOW SETS—See Sets, Window, Cellar

CELLULOID DISHES—See Dishes, Toy

CELLULOID DOLL HEADS—See Heads, Doll

CELLULOID DOLLS—See Dolls, Celluloid

CELLULOID TEA SETS, Toy—See Sets, Tea, Toy

CELLULOID TOY ANIMALS—See Animals, Toy, Celluloid

CEMENT, Asphalt—See Cement Roofing

CEMENT, Cast Iron
(See also Cement, Furnace and Stove)

Auto Supplies Mfg. Co., Pueblo, Colo. "Singers"
Brand (S. H.) Co., Chicago, Ill.
Boyer Chemical Laboratory Co., Chicago, Ill.
Clark Cast Steel Cement Co., Shelton, Conn. "Steamtite"
Dixon (Jos.) Crucible Co., Wayne & Monmouth Sts., Jersey City, N. J.
Hall-Thompson Co., Hartford, Conn. "Wonder Worker"
Northwestern Chemical Co., Marietta, O.
Reschke Mach. Wks. Co., Wichita, Kan.
Rutland Fire Clay Co., Rutland, Vt.
Smooth-On Mfg. Co., 572 Communipaw Av., Jersey City, N. J.
Stevens, Frederic B., Inc., Detroit, Mich.
Stone & Tar Products Co., 97 S. 6th, B'klyn, N. Y. "Plumbine"
Tuttle's Tite-On Cement Co., Chicago, Ill. "Tite-On"

CEMENT, China, Crockery, Glass, Etc.

American Chemical Co., Philadelphia, Pa. "Mandells"
Carter Ink Co., E. Cambridge, Boston, Mass.
Ceresit Waterproofing Co., Chicago, Ill.
Ditman (E. A.) Specialty Co., 396 Cornelia, B'klyn, N. Y. "Ever-Ready"
Excelsior Rubber & Leather Cement Co., Phila., Pa.
General Bakelite Co., 247 Park Av., New York, N. Y.
Macklanburg-Duncan Co., Oklahoma City, Okla. "New-Mender"
Major Mfg. Co., 461 Pearl, New York, N. Y.
Marietta Mfg. Co., Indianapolis, Ind.
Pettet (R. S.) & Co., Phila., Pa.
Pollock, Bowyer & Pugh Mfg. Co., Merriam, Kan. "Polox"
Russia Cement Co., Gloucester, Mass. "Le Page's"
Sheffield Bronze Powder & Stencil Co., Cleveland, O.
Stone & Tar Products Co., 97 S. 6th, B'klyn, N. Y. "Plumbine"
Technical Products Co., Pittsburgh, Pa. "Insa-lute"
Tip-Top Products Co., Omaha, Nebr.
Tuttle's Tite-On Cement Co., Chicago, Ill. "Tite-On"
Wittman Supply Co., Lincoln, Neb. "Sure Seal"

CEMENT COATED NAILS—See Nails, Cement Coated

CEMENT DRILLS—See Drills, Brick, Stone, Cement, Etc.

CEMENT, Furnace and Stove
(See also Cement, Cast Iron)

Acme Asbestos Covering & Flooring Co., Chicago, Ill.
Armstrong Co., Detroit, Mich. "Tharco"
Atlas Asbestos Co., North Wales, Pa.
Budd Grate & Fdry. Co., Phila., Pa.
Clinton Metallic Paint Co., Clinton, N. Y.
Colebrook's (W. H.) Sons, Syracuse, N. Y. "Crown"
Connors (Wm.) Paint Mfg. Co., Troy, N. Y. "American Seal"
Dixon (Jos.) Crucible Co., Wayne & Monmouth, Jersey City, N. J.
Forster Paint & Mfg. Co., Winona, Minn.
Gravert (Wm. J.) Inc., 246 Jackson Av., Long Island City, N. Y. "Volcano"
Johns-Manville, Inc., Madison Av. & 41st, New York, N. Y.
Knapp (E. J.) & Co., Belding, Mich.
Martin & Martin, Chicago, Ill. "E-Z"
Mighty Mender Co., Kittanning, Pa.
Norristown Asbestos Mfg. Co., Boston, Mass. "Mecco"
Northwestern Stove Co., Chicago, Ill. "Norco"
Pecora Paint Co., Philadelphia, Pa. (Asbestos)
Rutland Fire Clay Co., Rutland, Vt.
Technical Products Co., East Liberty, Pittsburgh, Pa. "Insa-lute"
Tucker Mfg. Co., 17 E. 137th, New York, N. Y.
Watson (H. F.) Co., Erie, Pa.

CEMENT, Furniture

Major Mfg. Co., 461 Pearl, New York, N. Y.

CEMENT, Gasket

Automotive Laboratories Co., Cleveland, O. "Oil-Seal"
Boyer Chemical Laboratory Co., Chicago, Ill.
Crane Co., Chicago, Ill.
Day (Jas. B.) & Co., Chicago, Ill.
Dixon (Jos.) Crucible Co., Wayne & Monmouth, Jersey City, N. J.
Earl Products Co., Indianapolis, Ind. "Epco"
Ferdinand (L. W.) & Co., 599 Albany, Boston, Mass. "20th Century"
International Metal Polish Co., Indianapolis, Ind.
Livingston Co., New Haven, Conn. "I. C. U."
Perma-Loc Mfg. Co., Wilkes-Barre, Pa.
Permatex Co., Sheepshead Bay, N. Y.
Permatic Mfg. Co., Minneapolis, Minn.
St. Louis Rubber Cement Co., Inc., St. Louis, Mo. "Red X"
Steelcote Mfg. Co., St. Louis, Mo.
Whitlam (J. C.) Mfg. Co., Wadsworth, O.

CEMENT, Linoleum

Atlas Supply Co., Phila., Pa.
Casein Mfg. Co., 207 E. 42nd, New York, N. Y.
Cibara Mfg. Co., St. Louis, Mo.
Ferdinand (L. W.) & Co., 599 Albany, Boston, Mass. "20th Century Nautilus," "Victory"
International Products Corp., Trenton, N. J. Stick-tite"
Pulsifer, Kingston Co., Boston, Mass. "Linogrip"
St. Louis Rubber Cement Co., Inc., St. Louis, Mo. "Red X"
Sisk (R. J.) Co., New London, Conn. "Lin-O-Seal," "Lin-O-Tack"

CEMENT, Marine

American Chemical Co., Phila., Pa. "Mandells"
Ferdinand (L. W.) & Co., 599 Albany, Boston, Mass.

CEMENT MIXERS—See Mixers, Concrete

CEMENT PAILS—See Pails, Cement

CEMENT PAINTS—See Paints, Cement

CEMENT, Pipe Joint

Automotive Laboratories Co., Cleveland, O. "Oil-Seal"
Baker Paint & Varnish Co., 218 Suydam Ave., Jersey City, N. J. "Stopaleak"
Bestoseal Co., Cleveland, O.
Calbar Paint & Varnish Co., Phila., Pa. "Pipe Seal"
Continental Products Co., Euclid, O.
Cooper Sanitary Mfg. Co., Phila., Pa.
Crane Co., Chicago, Ill.
Dixon (Jos.) Crucible Co., Wayne & Monmouth, Jersey City, N. J.
Economy Plumber Co., 332 Canal, New York, N. Y.
Edgecomb Co., Cuyahoga Falls, O. "Red Cross"
Gibson-Homans Co., Cleveland, O.
Hercules Chemical Co., Inc., 332 Canal, New York, N. Y.
O'Brien (Frank B.), Inc., Chicago, Ill.
Rutland Fire Clay Co., Rutland, Vt.
Sheffield Bronze Powder & Stencil Co., Cleveland, O.
Stone & Tar Products Co., 97 S. 6th B'klyn, N. Y.
Walworth Co., Statler Bldg., Boston, Mass.

CEMENT, Porcelain

Mighty Mender Co., Kittanning, Pa.
Tuttle's Tite-On Cement Co., Chicago, Ill. "Tite-On"

CEMENT, Rod, Fishing

Enterprise Mfg. Co., Dept. HA, Akron, O.
Heddon's (Jas.) Sons, Dowagiac, Mich.
Shakespeare Co., Kalamazoo, Mich.

CEMENT, Roofing

Alcatraz Co., Richmond, Va.
American Asphalt Paint Co., Chicago, Ill. "Asgum"
American Tar Products Co., Pittsburgh, Pa.
Antakwa Co., Chicago, Ill.
Armstrong Co., Detroit, Mich.
Atlas Asbestos Co., North Wales, Pa.
Barber Asphalt Co., Phila., Pa.
Barrett Co., 40 Rector, New York, N. Y. "Elastigum"
Bestoseal Co., Cleveland, O.
Carey (Philip) Co., Cincinnati, O. "Noahs Pitch," "Stop-A-Leke Stycks"
Carter Paint Co., Liberty, Ind. "Liberty"
Cassetty Oil & Grease Co., Nashville, Tenn.
Certain-teed Products Corp., 100 E. 42d, New York, N. Y.
Chemical Supply Co., Cleveland, O.
Cleveland-Akron Bag Co., Cleveland, O.
Clinton Metallic Paint Co., Clinton, N. Y.
Coal Tar Products Co., 570 Smith, B'klyn, N. Y.
Colebrook's (W. H.) Sons, Syracuse, N. Y.
Connors (Wm.) Paint Mfg. Co., Troy, N. Y.
Continental Products Co., Euclid, O.
Day (Britton T. & S. P.) Co., Cleveland, O. "Stik-tite"
Ehret Magnesia Mfg. Co., Phila., Pa.
Elliott Varnish Co., Chicago, Ill.
Foster (Benjamin) Co., Inc., Phila., Pa. "I. B. M."
Flintkote Corp., Pershing Sq. Bldg., New York, N. Y.
Foy Paint Co., Inc., Cincinnati (Norwood), O.
French (Samuel H.) & Co., Inc., Phila., Pa.
Gibson-Homans Co., Cleveland, O.
Glidden Co., Cleveland, O.
Globe Iron Roofing & Corrugating Co., Inc., Newport, Ky.
Johns-Manville, Inc., Madison Av. & 41st, New York, N. Y.
Klauer Mfg. Co., Dubuque, Ia.
Knapp (E. J.) & Co., Belding, Mich.
Lehon Co., Chicago, Ill.
Milcor Steel Co., Milwaukee, Wis.
Norristown Asbestos Mfg. Co., Boston, Mass. "Mecco"
Pecora Paint Co., Phila., Pa.
Pioneer Mfg. Co., Cleveland, O. "No-Tar-Kote," "Permo-Seal"
Robeson Preservo Co., Port Huron, Mich. "Robescote"
Rubberoid Co., 95 Madison Av., New York, N. Y. "Ruberine"
Rutland Fire Clay Co., Rutland, Vt.
Sherwin-Williams Co., Cleveland, O.

CEMENT, Roofing (Continued)

Standard Chemical Works, Inc., Reading, Pa. "Doublewear"
Standard Engineering & Lubricating Co., 147 W. 42nd, New York, N. Y. "Blizzard"
Steelcote Mfg. Co., St. Louis, Mo.
Stone & Tar Products Co., 97 S. 6th, B'klyn, N. Y.
Tar Products Co., Providence, R. I.
Tucker Mfg. Co., 17 E. 137th, New York, N. Y.
Watson (F. H.) Co., Erie, Pa.
Wilheim (A.) Co., Reading, Pa.

CEMENT, Rubber

A. B. & S. Cement & Rubber Co., Haverhill, Mass.
Boston Blacking Co., Cambridge, Mass.
Devil Grip Mfg. Co., Hopkinsville, Ky.
Diamond Rubber Co., Inc., Akron, O.
Durkee-Atwood Co., Minneapolis, Minn. "Rie Nie"
Earl Products Co., Indianapolis, Ind. "Earlco"
Essex Rubber Co., Trenton, N. J.
Excelsior Rubber & Leather Cement Co., Phila., Pa. "Bull Dog," "Tiger"
Faultless Rubber Co., Ashland, O.
Ferdinand (L. W.) & Co., 599 Albany, Boston, Mass.
Fiat Specialties Co., 73 4th Av., New York, N. Y.
Goodrich (B. F.) Rubber Co., Akron, O. "Plastikon"
Goodyear Tire & Rubber Co., Akron, O.
Hadley Bros. & Uhl Co., St. Louis, Mo.
Holfast Rubber Co., Atlanta, Ga.
International Metal Polish Co., Indianapolis, Ind. "Blue Ribbon"
Las-Stik Mfg. Co., Hamilton, O.
Major Mfg. Co., 461 Pearl, New York, N. Y.
Manhattan Rubber Mfg. Co., Passaic, N. J.
Michelin Tire Co., Milltown, N. J.
Miller, Chas. E., Anderson Rubber Wks., Anderson, Ind.
Miller Rubber Co., Inc., Akron, O.
Mulconroy Co., Phila., Pa.
Okonite Co., Passaic, N. J.
Pennsylvania Rubber Co. of America, Inc., Jeannette, Pa.
Rogers Isinglass & Glue Co., Gloucester, Mass.
Russia Cement Co., Gloucester, Mass. "Le Page's"
St. Louis Rubber Cement Co., Inc., St. Louis, Mo. "Red X," "3 in 1"
U. S. Rubber Co., 1790 B'way, New York, N. Y.
Van Cleef Bros., Chicago, Ill. "Dutch"

CEMENT, Stove—See Cement, Furnace and Stove

CEMENT TAMPERS—See Tampers

CEMENT, Tile

Boyle (A. S.) Co., Cincinnati, O.
Ferdinand (L. W.) & Co., 599 Albany, Boston, Mass.
International Products Corp., Trenton, N. J. "Rubberweld"
Sheffield Bronze Powder & Stencil Co., Cleveland, O.
Tilette Cement Co., Inc., 65 W. 50th, New York, N. Y. (Plastic)

CEMENT and CONCRETE TOOLS—See Tools, Cement and Concrete

CEMENT TROWELS—See Tools, Cement and Concrete

CENTER BITS—See Bits, Center

CENTER DRILLS—See Drills, Center

CENTER GAGES—See Gages, Center

CENTER PUNCHES—See Punches, Center

CENTER REAMERS—See Reamers, Center

CENTER SQUARES—See Squares, Center

CENTERS, Sash

Barrows Lock Works of Yale & Towne Mfg. Co., Lockport, Ill.
Corbin, P. & F., New Britain, Conn.
Detroit Wks., Detroit, Mich. "Automatic"
Grant Pulley & Hdw. Co., 101 Park Av., New York, N. Y.
Hess (Chas.) Co., 49-14 Metropolitan Av., B'klyn, N. Y.
Lockwood Mfg. Co., S. Norwalk, Conn.
Lupton's (David) Sons Co., Phila., Pa.
Michigan Engine Valve Co., Detroit, Mich. "Howarth"
Monarch Mfg. Co., Detroit, Mich.
National Aluminum Co., Inc., Racine, Wis.
Norwalk Lock Co., 12 Warren, New York, N. Y.
Payson Mfg. Co., Chicago, Ill.
Penn Hdw. Co., Reading, Pa.
Reading Hdw. Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sager Lock Works of Yale & Towne Mfg. Co., North Chicago, Ill.
Sargent & Co., New Haven, Conn.
Susquehanna Casting Co., Wrightsville, Pa.
Yale & Towne Mfg. Co., Stamford, Conn.

CENTRIFUGAL PUMPS—See Pumps, Centrifugal

CHAIN, Anchor

American Chain Co., Inc., Bridgeport, Conn.
Baldt Anchor Chain & Forge Co., Chester, Pa.
Bradlee & Co., Phila., Pa.
Bridgeport Chain & Mfg. Co., Bridgeport, Conn.
Carr Chain Wks., Inc., Troy, N. Y.
Columbus-McKinnon Chain Co., Tonawanda, N. Y.
McKay Company, Pittsburgh, Pa.
Newhall Chain, Forge & Iron Co., 48 W. B'way, New York, N. Y.
Taylor (S. G.) Chain Co., Hammond, Ind.

CHAIN ATTACHMENT SOCKETS—See Sockets, Chain Attachment

CHAIN, Bead Metal

Bead Mfg. Co., Bridgeport, Conn.
Bridgeport Chain & Mfg. Co., Bridgeport, Conn.
Scovill Mfg. Co., Plumbers' Brass Goods Div., Waterville, Conn.

CHAIN BLOCKS—See Blocks or Hoists, Chain; also Blocks, Chain, Differential

CHAIN BOLTS—See Bolts, Chain

CHAIN, Brass, Bronze, Etc.

Eastern Chain Works, 309 E. 22nd, New York, N. Y.

CHAIN, Cable

American Chain Co., Inc., Bridgeport, Conn.
Bridgeport Chain & Mfg. Co., Bridgeport, Conn.
McKay Company, Union Arcade, Pittsburgh, Pa.
Morton, Thos., 249 Center, New York, N. Y.
Newhall Chain, Forge & Iron Co., 48 W. B'way, New York, N. Y.
Smith & Egge Mfg. Co., Div. of Turner & Seymour Mfg. Co., Bridgeport, Conn.
Taylor (S. G.) Chain Co., Hammond, Ind.
Turner & Seymour Mfg. Co., Torrington, Conn. "Star"
Wilcox-Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.

CHAINS, Coil

American Chain Co., Inc., Bridgeport, Conn. "Elwel"
Bradlee & Co., Philadelphia, Pa.
Bridgeport Chain & Mfg. Co., Bridgeport, Conn. "Brown," "Perfection," "Triumph"
Carr Chain Wks., Inc., Troy, N. Y.
Chain Products Co., 3290 Cooper Av., Cleveland, O. "Bulldog," Hodell," "Samson"
Cleveland Chain & Mfg. Co., Cleveland, O. "Buckeye," "Liberty," "Lock Weave"
Columbus-McKinnon Chain Co., Tonawanda, N. Y.
Hobbs (Clinton E.) Co., Everett, Mass.
International Chain & Mfg. Co., Phila., Pa.
Jeffrey Mfg. Co., Columbus, O.
Krein Chain Co., Wapakoneta, O.
McKay Company, Pittsburgh, Pa.
Mundorf Chain Wks., York, Pa.
Newhall Chain, Forge & Iron Co., 48 W. B'way, New York, N. Y.
Round (David) & Son, Cleveland, O.
Russel (J. M.) Mfg. Co., Inc., Naugatuck, Conn.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Steel Car Forge Co., Pittsburgh, Pa.
Taylor (S. G.) Chain Co., Hammond, Ind. "Liberty"
White Hill Chain Wks., Fieldsboro, N. J.
Woodhouse Chain Co., Trenton, N. J.

CHAIN CUTTERS—See Cutters, Chain

CHAIN DRILLS—See Drills, Chain

CHAIN FASTENERS, Door—See Fasteners, Door, Chain

CHAIN HOISTS—See Blocks or Hoists, Chain

CHAIN HOOKS—See Hooks, Chain

CHAIN, Jack

American Chain Co., Inc., Bridgeport, Conn. "Acco" (Single & Double)
Bridgeport Chain & Mfg. Co., Bridgeport, Conn.
Chain Products Co., 3290 Cooper Av., Cleveland, O.
Chase Brass & Copper Co., Waterbury, Conn.
Corbin Cabinet Lock Co., New Britain, Conn.
Corbin Screw Corp., New Britain, Conn.
Mattatuck Mfg. Co., Waterbury, Conn.
Parker Metal Goods Co., Worcester, Mass.
Phoenix Hdw. Mfg. Co., Buffalo, N. Y.
Russell (Jno. M.) Mfg. Co., Inc., Naugatuck, Conn.
Smith & Egge Mfg. Co., Div. of Turner & Seymour Mfg. Co., Bridgeport, Conn.
Steele & Johnson Mfg. Co., Waterbury, Conn.
Turner & Seymour Mfg. Co., Torrington, Conn. "Star"
Washburn Company, Worcester, Mass.

CHAIN LINKS—See Links, Chain

CHAIN LOCKS—See Locks, Chain, Tire

CHAIN, Ornamental, Brass, Bronze, Etc.

Eastern Chain Works, 309 E. 22nd, New York, N. Y.

CHAIN, Picture—See Wire, Picture

CHAIN PIPE VISES—See Vises, Chain Pipe

CHAIN PUMPS—See Pumps, Chain

CHAIN REPAIR TOOLS—See Tools, Driving Chain, Repair

CHAIN, SASH FIXTURES—See Fixtures, Sash Chains

CHAIN SHACKLES—See Shackles, Chain

CHAIN TAPES—See Tapes, Measuring

CHAIN VISES—See Vises, Pipe

CHAIN WRENCHES—See Wrenches, Chain

CHAINS, Binding

American Chain Co., Inc., Bridgeport, Conn. "Acco"

CHAINS, Breast

American Chain Co., Inc., Bridgeport, Conn. "Ajax," "Elwel"
Chain Products Co., 3290 Cooper Av., Cleveland, O. "Bulldog," Hodell," "Samson"
Columbus-McKinnon Chain Co., Tonawanda, N. Y.
Covert Mfg. Co., Troy, N. Y. "Yankee"
Hobbs (Clinton E.) Co., Everett, Mass.
Krein Chain Co., Wapakoneta, O.
McKay Company, Pittsburgh, Pa.
Midland Co., South Milwaukee, Wis. "518 Improved"
Mundorf Chain Wks., York, Pa.
North & Judd Mfg. Co., New Britain, Conn. "Anchor Brand"
Taylor (S. G.) Chain Co., Hammond, Ind.
Woodhouse Chain Wks., Trenton, N. J.

CHAINS, BULL—See Ties, Cattle

CHAINS, Butt

American Chain Co., Inc., Bridgeport, Conn. "Elwel-tra"

CHAINS, Dog Lead

American Chain Co., Inc., Bridgeport, Conn. "American," "Elwel," "Lock Link," "Niagara," "Tenso" (Also Assortments)
Baltimore Leather Goods Co., Baltimore, Md.
Bead Chain Mfg. Co., Bridgeport, Conn.
Brauer Bros., Inc., St. Louis, Mo.
Bridgeport Chain & Mfg. Co., Bridgeport, Conn. "Brown," "Triumph"
Carr Chain Wks., Inc., Troy, N. Y.
Chain Products Co., 3290 Cooper Av., Cleveland, O. "Bulldog," Hodell," "Samson"
Covert Mfg. Co., Troy, N. Y. "Wankee"
Craftsman Leather Specialty Co., Dayton, O.
Ferree (E. H.) Co., Lockport, N. Y.
Fritz Bros., Meriden, Conn.
Graton & Knight Co., Worcester, Mass.
McKay Company, Pittsburgh, Pa.
Ney Mfg. Co., Canton, O.
Russell (J. M.) Mfg. Co., Inc., Naugatuck, Conn.
Schoellkopf Co., Dallas, Tex.
Spratts Patent, Ltd., 14 Congress, Newark, N. J.
Washburn Company, Worcester, Mass.
Woodhouse Chain Wks., Trenton, N. J.

CHAINS, Dredge

American Chain Co., Inc., Bridgeport, Conn. "Ajax," "H B"
Bridgeport Chain & Mfg. Co., Bridgeport, Conn.
Carr Chain Wks., Inc., Troy, N. Y.
Columbus-McKinnon Chain Co., Tonawanda, N. Y.
Taylor (S. G.) Chain Co., Hammond, Ind.

CHAINS, Furnace

American Chain Co., Bridgeport, Conn.
Bridgeport Chain & Mfg. Co., Bridgeport, Conn.
Chain Products Co., 3290 Cooper Av., Cleveland, O.
Corbin Screw Corp., New Britain, Conn.
Parker Wire Goods Co., Worcester, Mass.

CHAINS, Halter

American Chain Co., Inc., Bridgeport, Conn. "Acco," "Elwel," "Lock Link," Niagara," "Tenso"
Bridgeport Chain & Mfg. Co., Bridgeport, Conn. "Brown," "Triumph"
Chain Products Co., 3290 Cooper Av., Cleveland, O. "Bulldog," Hodell," "Samson"
Cleveland Chain & Mfg. Co., Cleveland, O. "Buckeye"
Columbus-McKinnon Chain Co., Tonawanda, N. Y.
Covert Mfg. Co. Troy, N. Y.
Hobbs (Clinton E.) Co., Everett, Mass.
Krein Chain Co., Wapakoneta, O.
McKay Company, Pittsburgh, Pa.
Mundorf Chain Wks., York, Pa.
Newhall Chain, Forge & Iron Co., 48 W. B'way, New York, N. Y.
Ney Mfg Co., Canton, O.
Schoellkopf Co., Dallas, Tex.
Taylor (S. G.) Chain Co., Hammond, Ind.
Woodhouse Chain Wks., Trenton, N. J.

CHAINS, Hame

American Chain Co., Inc., Bridgeport, Conn.
Bridgeport Chain & Mfg. Co., Bridgeport, Conn.
Chain Products Co., 3290 Cooper Av., Cleveland, O. "Bulldog," Hodell," "Samson"
G. G. G. Metal Stamping Co., Warren, Pa.
Hobbs (Clinton E.) Co., Everett, Mass.
Kelsay, Newton, & Sons, Evansville, Ind.
McKay Company, Pittsburgh, Pa.
Premax Products, Inc., Niagara Falls, N. Y. "Dodson," "Zenith"
Taylor (S. G.) Chain Co., Hammond, Ind.
Woodhouse Chain Co., Trenton, N. J.

CHAINS, Hammock and Porch Swing

American Chain Co., Inc., Bridgeport, Conn. "Acco," "Lock Link," "Niagara," "Tenso"
Bridgeport Chain & Mfg. Co., Bridgeport, Conn.
Chain Products Co., 3290 Cooper Av., Cleveland, O. "Bulldog," "Hodell," "Samson"
Cleveland Chain & Mfg. Co., Cleveland, O.
Covert Mfg. Co., Troy, N. Y.
Hobbs (Clinton E.) Co., Everett, Mass.
Ney Mfg. Co., Canton, O.
Woodhouse Chain Co., Trenton, N. J.

CHAINS, Harness

American Chain Co., Inc., Bridgeport, Conn.
Bridgeport Chain & Mfg. Co., Bridgeport, Conn.
Chain Products Co., 3290 Cooper Av., Cleveland, O. "Bull Dog," "Hodell," "Samson"
Cleveland Chain & Mfg. Co., Cleveland, O.
Columbus-McKinnon Chain Co., Tonawanda, N. Y.
Hobbs (Clinton E.) Co., Everett, Mass.
Krein Chain Co., Wapakoneta, O.
McKay Company, Pittsburgh, Pa.
Midland Co., South Milwaukee, Wis.
Newhall Chain, Forge & Iron Co., 48 W. B'way, New York, N. Y.
Premax Products, Inc., Niagara Falls, N. Y.(Jockey)
Taylor (S. G.) Chain Co., Hammond, Ind.
Woodhouse Chain Co., Trenton, N. J.

CHAINS, Heel

American Chain Co., Inc., Bridgeport, Conn. "Elwel"
Bridgeport Chain & Mfg. Co., Bridgeport, Conn.
Midland Co., South Milwaukee, Wis.
National Hame & Chain Co., New Albany, Ind.

CHAINS, Key

Acme Mfg. Co., Waterbury, Conn.
American Badge Co., Chicago, Ill.
American Chain Co., Inc., Bridgeport, Conn. "Double Jack," "Tenso"
American Ring Co., Waterbury, Conn.
Bead Chain Mfg. Co., Bridgeport, Conn.
Boye Needle Co., Chicago, Ill.
Bridgeport Chain & Mfg. Co., Bridgeport, Conn. "Hendryx"
Chain Products Co., 3290 Cooper Av., Cleveland, O. "Bulldog," Hodell," "Samson"
Ferree (E. H.) Co., Lockport, N. Y.
Independent Lock Co., Fitchburg, Mass. "Ilco"
Russell (J. M.) Mfg. Co., Inc., Naugatuck, Conn.
Sommer (J. L.) Mfg. Co., 251 N. J. Railroad Av., Newark, N. J.
Urich (B.) Co., Milwaukee, Wis. "Duplex"
Vaughan Novelty Mfg. Co., Chicago, Ill. "Flexo"
Wallace Bros., Wallingford, Conn. "W. B. W."
Williamson (C.T.) Wire Novelty Co., 52 Badger Av., Newark, N. J.

CHAINS, Ladder

Acme Mfg. Co., Waterbury, Conn.
American Chain Co., Inc., Bridgeport, Conn.
Bridgeport Chain & Mfg. Co., Bridgeport, Conn. "Hendryx"
Chain Products Co., 3290 Cooper Av., Cleveland, O. "Hodell"
Corbin Cabinet Lock Co., New Britain, Conn.
Corbin Screw Corp., New Britain, Conn.
McKay Company, Pittsburgh, Pa.
Parker Metal Goods Co., Worcester, Mass.
Parker Wire Goods Co., Worcester, Mass.
Russell (Jno. M.) Mfg. Co., Inc., Naugatuck, Conn.
Steele & Johnson Mfg. Co., Waterbury, Conn.
Turner & Seymour Mfg. Co., Torrington, Conn. "Star Brand"
Woodhouse Chain Co., Trenton, N. J.

CHAINS, Log

American Chain Co., Inc., Bridgeport, Conn. "Acco"
Bridgeport Chain & Mfg. Co., Bridgeport, Conn.
Carr Chain Wks., Inc., Troy, N. Y.
Chain Products Co., 3290 Cooper Av., Cleveland, O. "Bulldog," Hodell," "Samson"
Cleveland Chain & Mfg. Co., Cleveland, O.
Columbus-McKinnon Chain Co., Tonawanda, N. Y.
Hobbs (Clinton E.) Co., Everett, Mass.
Jeffrey Mfg. Co., Columbus, O.
Link-Belt Co., Chicago, Ill.
McKay Company, Pittsburgh, Pa.
Mundorf Chain Wks., York, Pa.
Newhall Chain, Forge & Iron Co., 48 W. B'way, New York, N. Y.
Nicholson & Co., Rankin, Pa.
Round (David) & Son, Cleveland, O.
Taylor (S. G.) Chain Co., Hammond, Ind.
White Hill Chain Wks., Fieldsboro, N. J.
Woodhouse Chain Co., Trenton, N. J.

CHAINS, Plumbers'

Acme Mfg. Co., Waterbury, Conn.
American Brass & Copper Co., 80 Lafayette, New York, N. Y.
American Chain Co., Inc., Bridgeport, Conn. "Acco"
Bead Chain Mfg. Co., Bridgeport, Conn.
Bridgeport Chain & Mfg. Co., Bridgeport, Conn. "Hendryx"
Chain Products Co., 3290 Cooper Av., Cleveland, O. "Bulldog," Hodell," "Samson"
Corbin Screw Corp., New Britain, Conn.
Frank Bros. Mfg. Co., 476 Broome, New York, N. Y.
Hobbs (Clinton E.) Co., Everett, Mass.
Jenckes (E.) Mfg. Co., Worcester, Mass. "Universal"
Mattatuck Mfg. Co., Waterbury, Conn.
Phoenix Hdw. Co., Buffalo, N. Y.
Rome Mfg. Co., Rome, N. Y.
Russell (J. M.) Mfg. Co., Inc., Naugatuck, Conn.
Scovill Mfg. Co., Plumbers' Brass Goods Div., Waterville, Conn. "Duplex"
Smith & Egge Mfg. Co., Div. of Turner & Seymour Mfg. Co., Bridgeport, Conn. "Safety"
Steele & Johnson Mfg. Co., Waterbury, Conn.
Turner & Seymour Mfg. Co., Torrington, Conn. "Star Brand"
Woodhouse Chain Co., Trenton, N. J.

CHAINS, Porch Swing—See Chains, Hammock and Porch Swing

CHAINS, Pulley, Round Cord

American Chain Co., Inc., Bridgeport, Conn. "Acco"
Bridgeport Chain & Mfg. Co., Bridgeport, Conn.

CHAINS, Pump

American Chain Co., Inc., Bridgeport, Conn. "Acco"
Bridgeport Chain & Mfg. Co., Bridgeport, Conn. (Galvanized)
Chain Products Co., 3290 Cooper Av., Cleveland, O. "Cleveland," "Hodell"
Cincinnati Pump Mfg. Co., Cincinnati, O. "Boss"
Cleveland Chain & Mfg. Co., Cleveland, O.

CHAINS, Railroad

American Chain Co., Inc., Bridgeport, Conn. "Acco"
Bridgeport Chain & Mfg. Co., Bridgeport, Conn.
Columbus-McKinnon Chain Co., Tonawanda, N. Y.
Taylor (S. G.) Chain Co., Hammond, Ind.

CHAINS, Register

American Chain Co., Bridgeport, Conn.
Bridgeport Chain & Mfg. Co., Bridgeport, Conn.
Chain Products Co., 3290 Cooper Av., Cleveland, O.
Corbin Screw Corp., New Britain, Conn.

CHAINS, Repair Links

American Chain Co., Inc., Bridgeport, Conn. "Acco"
Bridgeport Chain & Mfg. Co., Bridgeport, Conn.
Flower City Specialty Co., Rochester, N. Y.
Parker Wire Goods Co., Worcester, Mass.

CHAINS, Safety

American Chain Co., Inc., Bridgeport, Conn. "Acco"
Chain Products Co., 3290 Cooper Av., Cleveland, O. "Hodell," "First Aid," "Pull Out," "Why Skid"
Corbin Cabinet Lock Co., New Britain, Conn.
Corbin Screw Corp., New Britain, Conn.
Hart & Cooley Mfg. Co., Chicago, Ill. "H & C," "Federal"
Mattatuck Mfg. Co., Waterbury, Conn.
Phoenix Hdw. Mfg. Co., Buffalo, N. Y.
Russell (J. M.) Mfg. Co., Inc., Naugatuck, Conn.
Steele & Johnson Mfg. Co., Waterbury, Conn.
Taylor (S. G.) Chain Co., Hammond, Ind.
Turner & Seymour Mfg. Co. "Star"

CHAINS, Sash

(See also Cord, Sash)

Acme Mfg. Co., Waterbury, Conn.
American Chain Co., Inc., Bridgeport, Conn. "Acco No. 8," "American"
Bridgeport Chain & Mfg. Co., Bridgeport, Conn. "Monarch"
Chain Products Co., 3290 Cooper Av., Cleveland, O. "Hodell"
Cleveland Chain & Mfg. Co., Cleveland, O.
Corbin Screw Corp., New Britain, Conn.
Grant Pulley Hdw. Co., 101 Park Av., New York, N. Y.
Hobbs (Clinton E.) Co., Everett, Mass.
Jenckes (E.) Mfg. Co., Worcester, Mass. "Universal"
Lewis & Egginton, Inc., 300 N. Henry, B'klyn, N. Y.
Morton, Thos., 249 Center, New York, N. Y.
Phoenix Hdw. Mfg. Co., Buffalo, N. Y.
Russell (J. M.) Mfg. Co., Inc., Naugatuck, Conn.
Smith & Egge Mfg. Co., Div. of Turner & Seymour Mfg. Co., Bridgeport, Conn. "Giant"
Triumph Trap Co., Oneida, N. Y. "Ever-hold"
Turner & Seymour Mfg. Co., Torrington, Conn. "Crescent," "Crown," "Giant Metal," "Red Metal," "S. & E."

CHAINS, Sprocket

American Chain Co., Inc., Bridgeport, Conn. "Lock Link"
Badger Malleable & Mfg. Co., South Milwaukee, Wis. "Badgerbelt"
Boston Gear Wks., Norfolk Downs, Quincy, Mass.
Bridgeport Chain & Mfg. Co., Bridgeport, Conn. "Hendryx"
Chain Belt Co., Milwaukee, Wis.
Chain Products Co., 3290 Cooper Av., Cleveland, O. "Hodell," "Samson"
Columbus-McKinnon Chain Co., Tonawanda, N. Y.
Diamond Chain & Mfg. Co., Indianapolis, Ind.
Duckworth Chain & Mfg. Co., Springfield, Mass.
Grant Gear Wks., Boston, Mass.
Hobbs (Clinton E.) Co., Everett, Mass.
Howe Chain Co., Muskegon, Mich.
Jeffrey Mfg. Co., Columbus, O.
Link-Belt Co., Chicago, Ill.
Locke Steel Chain Co., Bridgeport, Conn.
McKay Company, Pittsburgh, Pa.
Michigan Sprocket Chain Co., Detroit, Mich.
Morse Chain Co., Ithaca, N. Y.
Morton, Thos., 249 Center, New York, N. Y.
Newhall Chain, Forge & Iron Co., 48 W. B'way, New York, N. Y.
Nicholson & Co., Rankin, Pa.
Round (D.) & Son, Cleveland, O.
Stephens-Adamson Mfg. Co., Aurora, Ill. "S-A"
Taylor (S. G.) Chain Co., Hammond, Ind.
Turner & Seymour Mfg. Co., Torrington, Conn.
White Hill Chain Wks., Fieldsboro, N. J.
Whitney Mfg. Co., Hartford, Conn.

CHAINS SWIVELS—See Swivels, Chains

CHAINS, Tie-Out

American Chain Co., Inc., Bridgeport, Conn. "Acco," "Tenso"
Bridgeport Chain & Mfg. Co., Bridgeport, Conn. "Triumph"
Chain Products Co., 3290 Cooper Av., Cleveland, O. "Bull Dog," "Hodell"
Cleveland Chain & Mfg. Co., Cleveland, O. "Buckeye"
McKay Co., Pittsburgh, Pa. "Victor"
Ney Mfg. Co., Canton, O.
Taylor (S. G.) Chain Co., Hammond, Ind.

CHAINS, Tire—See Chains or Grips, Tire, Non-Skid

CHAINS, Tire Lock

American Chain Co., Inc., Bridgeport, Conn.
Boston Leather Specialties, Inc., Everett, Mass. "Master"
Bridgeport Chain & Mfg. Co., Bridgeport, Conn.
Chain Products Co., 3290 Cooper Av., Cleveland, O.
Hurd Lock Co., Elmont, Mich.
Independent Lock Co., Fitchburg, Mass. "Ilco"
Taylor (S. G.) Chain Co., Hammond, Ind.
Yale & Towne Mfg. Co., Stamford, Conn.

CHAINS or GRIPS, Tire, Non-Skid

Acme Mfg. Corp., Moline, Ill. "Caterpillar"
American Chain Co., Inc., Bridgeport, Conn. "Rido-Skid," "Weed DeLuxe"
Argrip Chain Co., Inc., Glens Falls, N. Y.
Bear Mfg. Co., Rock Island, Ill. "Q-D"
Bridgeport Chain & Mfg. Co., Bridgeport, Conn. (Automobile, Motor Truck, Etc.)
Butler Chain Co., Inc., Butler, Pa. "Dubl-Bilt," "Minute Grabs"
Chain Products Co., 3290 Cooper Av., Cleveland, O. "Bulldog," "Cepeco," "Cleveland," "Hodell," "Noweld," "One Minute," "Samson"
Cleveland Chain & Mfg. Co., Cleveland, O. "Round"
Columbus-McKinnon Chain Co., Tonawanda, N. Y. "Dreadnaught," "Super Dreadnaught"
General Tire & Rubber Co., Akron, O. "Perfection"
Giant Grip Mfg. Co., Oshkosh, Wis.
Imperial Bit & Snap Co., Racine, Wis.
International Chain & Mfg. Co., Phila., Pa.
Krein Chain Co., Wapakoneta, O.
Leader Skid Chain Co., St. Louis, Mo.
McKay Co., Pittsburgh, Pa.
Midland Co., South Milwaukee, Wis. "Jiff-On"
Newhall Chain Forge & Iron Co., 48 W. B'way, New York, N. Y.
Peerless Chain Co., Winona, Minn.
Protex Chain Co., Inc., Waynesboro, Pa.
Pyrene Mfg. Co., Belmont Av., Newark, N. J.
St. Pierre Chain Corp., Worcester, Mass. "Royal," "Star," "Super-Grip"
Tama Non-Skid Co., Tama, Ia. "Stice"
Taylor (S. G.) Chain Co., Hammond, Ind.
Triumph Trap Co., Oneida, N. Y. "Caterpillar," "GreenGripper," "SureGrip"
Truck Parts & Foundry Co., Alma, Mich. "Bradley"
United Specialties Associates, Newark, N. J. "S. O. S."
Will-Burt Co., Orrville, O. "Easyroll"
Woodhouse Chain Co., Trenton, N. J.
Woodworth Specialties Co., Binghamton, N. Y. "Double-Grip," "Easyon," "Handichains"

CHAINS, Tow—See Ropes, Chains and Bars, Tow

CHAINS, Trace

American Chain Co., Inc., Bridgeport, Conn. "El-Wel-Tra"
Bridgeport Chain & Mfg. Co., Bridgeport, Conn.
Chain Products Co., 3290 Cooper Av., Cleveland, O. "Hodell"
Cleveland Chain & Mfg. Co., Cleveland, O. "Electra"
Columbus-McKinnon Chain Co., Tonawanda, N. Y.
Hobbs (Clinton E.) Co., Everett, Mass.
Imperial Bit & Snap Co., Racine, Wis.
Krein Chain Co., Wapakoneta, O.
McKay Company, Pittsburgh, Pa.
Midland Co., South Milwaukee, Wis.
Mundorf Chain Wks., York, Pa.
Newhall Chain, Forge & Iron Co., 48 W. B'way, New York, N. Y.
Round (David) & Son, Cleveland, O.
Taylor (S. G.) Chain Co., Hammond, Ind.
Woodhouse Chain Wks., Trenton, N. J.

CHAINS, Transom

Barrows Lock Wks., of Yale & Towne Mfg Co., Lockport, Ill.
Bridgeport Chain & Mfg. Co., Bridgeport, Conn. "Brown," "Monarch," "Triumph"
Champion Hdwe. Mfg. Co., Geneva, O.
Chantrell Hdwe. & Tool Co., Reading, Pa.
Corbin, P. & F., New Britain, Conn.
Ives (H. B.) Co., New Haven, Conn.
Moore Mfg. Co., Los Angeles, Cal.
Norwalk Lock Co., 12 Warren, New York, N. Y.
Payson Mfg. Co., Chicago, Ill.
Penn Hdwe. Co., Reading, Pa.
Reading Hdwe. Co., Reading, Pa.
Russell (J. M.) Mfg. Co., Inc., Naugatuck, Conn.
Russell & Erwin Mfg. Co., New Britain, Conn.
Safe Padlock & Hdwe. Co., Lancaster, Pa.
Sager Lock Wks., of Yale & Towne Mfg. Co., No. Chicago, Ill.
Sargent & Co., New Haven, Conn.
Shelby Spring Hinge Co., Shelby, O.
Yale & Towne Mfg. Co., Stamford, Conn.

CHAINS, Welded

American Chain Co., Inc., Bridgeport, Conn. "Acco"

CHAINS, Weldless

American Chain Co., Inc., Bridgeport, Conn. "Acco"
Bridgeport Chain & Mfg. Co., 964 Crescent Av., Bridgeport, Conn. "Brown," "Triumph"
Chain Products Co., 3290 Cooper Av., Cleveland, O. "Bulldog," "Hodell," "Samson"
Cleveland Chain & Mfg. Co., Cleveland, O.
Krein Chain Co., Wapakoneta, O.
McKay Co., Pittsburgh, Pa. "Victor"
Ney Mfg. Co., Canton, O. "Brown Pattern"

CHAINS, Well

American Chain Co., Inc., Bridgeport, Conn. "Tenso"
Bridgeport Chain & Mfg. Co., Bridgeport, Conn. "Brown," "Triumph"
Chain Products Co., 3290 Cooper Av., Cleveland, O. "Hodell"
Taylor (S. G.) Chain Co., Hammond, Ind.

CHAIR BRACES—See Braces, Chair & Bed

CHAIR RODS—See Rods, Stove & Chair

CHAIR SEATS—See Seats, Chair

CHAIR TIPS—See Tips, Chair

CHAIRS, Children's

American Fork & Hoe Co., Cleveland, O. "Kiddy-Kumfy," "True Temper"
American-National Co., Toledo, O. (Automobile) "Go-Bye"
Appleton Toy & Furniture Co., Appleton, Wis.
Arcade Mfg. Co., Freeport, Ill.
Brown Bros. Co., Gardner, Mass.
Cass (N. D.) Co., Athol, Mass.
Chicago Wire Chair Co., Chicago, Ill.
Converse-Mason Corp., Winchendon, Mass.
Gem Mfg. Co., Bascom, O.
Gendron Wheel Co., Toledo, O.
Kalamazoo Sled Co., Kalamazoo, Mich.
Kingston Products Corp., Kokomo, Ind. "Bunny"
Mason Mfg. Co., S. Paris, Me.
Mengel Co., St. Louis, Mo.
Metropolitan Chair Co., Hartford, Conn.
Paris Mfg. Co., S. Paris, Me.
Ramsdell (L. B.) Co., Gardner, Mass.
Readsboro Chair Co., Readsboro, Vt.
Royal Metal Mfg. Co., Chicago, Ill.
South Bend Toy Mfg. Co., South Bend, Ind.
South Tamworth Industries, Inc., South Tamworth, N. H.
Wausau Novelty Co., Wausau, Wis.
Whitney Reed Corp., Leominster, Mass.

CHAIRS, Folding
(See also Stools, Camp)

American Fork & Hoe Co., Cleveland, O. "Bridgeman," "Canoe," "Clubman," "Sno-Shu," "True Temper"
Andrews (A. H.) Co., Chicago, Ill. (Theater)
Beckwith Bros. Co., Westfield, Mass.
C-K-R Company, Cleveland, O. "Rittenhouse"
Cable Corp., 1107 B'way, New York, N. Y. "De-Luxe"
Carrom Co., Ludington, Mich.
Clark (J. R.) Co., Minneapolis, Minn. "Rid Jid"
Clifton Mfg. Co., Waco, Tex.
Crawford-Austin Mfg. Co., Waco, Tex. "Peacock," "Supreme"
Dillingham Mfg. Co., Sheboygan, Wis.
Fulton Bag & Cotton Mills, Inc., 330 Wythe Av., B'klyn, N. Y.
Garton Toy Co., Sheboygan, Wis.
Gold Medal Folding Furniture Co., Racine, Wis. "Badger," "Racine"
Gundelfinger Wood Products Co., Jefferson City, Mo. "DeLuxe"
Handy Table Set Co., Milwaukee, Wis.
Harrison (B. J.) Mfg. Co., Arkville, N. Y.
Herkimer Specialties Corp., Cold Brook, N. Y. "Adirondack," "Gem," "Mohawk," "Stackgood"
Hettrick Mfg. Co., Summit & Magnolia, Toledo, O.
Heywood-Wakefield Co., Boston, Mass.
Hincher Mfg. Co., Washington, Ind.
Holden (A. S.) Inc., Cleveland, O.
Howell Co., Geneva, Ill.
Imperial Bit & Snap Co., Racine, Wis.
Kalamazoo Sled Co., Kalamazoo, Mich. "Superior Quality"
Kelton Mfg. Co., Worcester, Mass.
Kokomo Specialty Co., Kokomo, Ind. "Foldflat"
Lack Mfg. Co., Paducah, Ky. "Kumfy"
Lang Stamp Wks., Albany, N. Y.
Lorraine Metal Mfg. Co., Inc., Bridgeport, Conn. "Leg-O-Matic"
McGrew Machine Co., Lincoln, Neb. "Lincoln"
McKinnon Dash Co., Buffalo, N. Y.
Market Forge Co., Everett, Mass.
Metalcraft Corp., St. Louis, Mo. (Bridge)
Michigan Wire Goods Co., Niles, Mich. "Popular," "Realax"
Nappanee Lumber & Mfg. Co., Nappanee, Ind.
Norcor Mfg. Co., Green Bay, Wis. (Steel)
Old Town Canoe Co., Old Town, Me. (Canoe)
Paris Mfg. Co., South Paris, Me.
Pratt Mfg. Co., Coldwater, Mich.
Pueblo Tent & Awning Co., Inc., Pueblo, Colo.
Rastetter (Louis) & Sons, Fort Wayne, Ind. "Solid Kumfort"
Steel Basket Co., Cedar Rapids, Ia.
Sterling Woodenware Co., Sterling, Ill. "Crakerjac" (Porch)
Stiles (H. A.) & Co., Boston, Mass.
Stoll Mfg. Co., Denver, Colo.
Telescope Folding Furniture Co., Granville, N. Y.
Torrington Specialty Co., Collinsville, Conn. "Plaza"
Tucker Duck & Rubber Co., Fort Smith, Ark "Peerless," "TuckErWay"
Wausau Novelty Co., Wausau, Wis.
White (H. C.) Co., North Bennington, Vt. "Ezy-rest"

CHAIRS, Lawn

Autowheel Coaster Co., No. Tonawanda, N. Y.
Badger Wire & Iron Wks., Milwaukee, Wis.
Crawford-Austin Mfg. Co., Waco, Tex. "Peacock"
Gold Medal Folding Furniture Co., Racine, Wis. "Racine"
Goshen Mfg. Co., Goshen, Ind.
Howell Co., Geneva, Ill.
Huttig Sash & Door Co., St. Louis, Mo.
Jamison (Robert W.) Mfg. Co., Los Angeles, Cal.
Kalamazoo Sled Co., Kalamazoo, Mich.
Michigan Wire Goods Co., Niles, Mich. "Realax"
Nappanee Lumber & Mfg. Co., Nappanee, Ind.
Phenix Mfg. Co., Milwaukee, Wis. "Easy-Rest"
Selden Mfg. Co., Palatka, Fla.
Sterling Woodenware Co., Sterling, Ill. "Crakerjac"
Stewart Iron Wks. Co., Inc., 814 Stewart Block, Cincinnati, O.
Swett (A. L.) Iron Works, Medina, N. Y.
Telescope Folding Furniture Co., Granville, N. Y.
Tucker Duck & Rubber Co., Ft. Smith, Ark. "Peerless"
Young (J. O.) Co., Springfield, Mass.

CHALK—See kind desired; also Crayons

CHALK, Billiard

American Crayon Co., Sandusky, O. "Old Faithful"

CHALK, Bowling

American Crayon Co., Sandusky. O. "Old Faithful"
Binney & Smith Co., 41 E. 42nd, New York, N. Y.
Standard Crayon Mfg. Co., Danvers, Mass.

CHALK, Carpenters'

Adams (D. C.), St. Louis, Mo.
American Crayon Co., Sandusky, O. "Old Faithful"
Binney & Smith Co., 41 E. 42nd, New York, N. Y. "U. V. A."
Globe Crayon Co., 233 37th, B'klyn, N. Y.
Hyde Mfg. Co., Southbridge, Mass.
Seymour Products Co., Seymour, Conn.
Standard Crayon Mfg. Co., Danvers, Mass.

CHALK, Colored

Adams, D. C., St. Louis, Mo.
American Crayon Co., Sandusky, O. "Old Faithful"
Binney & Smith Co., 41 E. 42nd, New York, N. Y.
Standard Crayon Mfg. Co., Danvers, Mass.

CHALK LINE REELS—See Reels, Line, Chalk

CHALK LINES—See Lines, Chalk

CHALK, School—See Crayons

CHAMBERS, Bed

Almo Trading & Importing Co., Inc., 61 E. 11th, New York, N. Y. (Indurated Fibre)
Bellaire Enamel Co., Bellaire, O. "Beco"
Lisk Mfg. Co., Ltd., Canandaigua, N. Y.
U. S. Stamping Co., Moundsville, W. Va.
Vollrath Co., Sheboygan, Wis. "Safety"

CHAMFER KNIVES—See Knives, Machine

CHAMFERED NUTS—See Nuts, Chamfered

CHAMOIS—See Sponges and Chamois

CHANGERS, Money, Conductors'

Cleveland Fare Box Co., Cleveland, O.
Johnson Fare Box Co., Chicago, Ill. "Universal"

CHANNEL IRON—See Steel or Iron, Angle, Channel and "T"

CHANNEL STEEL—See Steel or Iron, Angle, Channel and "T"

CHARACTER DOLLS—See Dolls, Character

CHARCOAL SAD IRONS—See Irons, Sad, Charcoal

CHARGERS, Battery

Acme Apparatus Co., Cambridge, Mass.
Acme Electric & Mfg. Co., Cleveland, O.
Adams-Barre Co., Columbus, O. "Scioto"
B-L Electric Mfg. Co., St. Louis, Mo.
Balkeit Radio Co., North Chicago, Ill.
Blitz Electric Co., Chicago, Ill.
Fansteel Products Co., North Chicago, Ill. "Balkite"
Fore Electrical Mfg. Co., St. Louis, Mo.
France Mfg. Co., Cleveland, O.
General Electric Co., Schenectady, N. Y. "Tungar"
Grisby-Grunow Co., Chicago, Ill.
Interstate Elec. Co., St. Louis, Mo. "Handy"
Kodel Electric & Mfg. Co., Cincinnati, O. "Gold Seal Homecharger"
Universal Battery Co., Chicago, Ill.
Valley Electric Co., St. Louis, Mo.
Vesta Battery Corp., Chicago, Ill.
Westinghouse Elec. & Mfg. Co., East Pittsburgh, Pa.

CHECK NUTS—See Nuts, Check

CHECK VALVES—See Valves, Check

CHECKER BOARDS—See Boards, Checker

CHECKING CRAYONS—See Crayons, Checking

CHECKS, Brass, Time, Tool and Pay

Brainerd Mfg. Co., East Rochester, N. Y.
Dickey Grabler Co., Cleveland, O.
Everitt Co., Boston, Mass.
Excelsior Tool & Mfg. Co., 881 E. 147th, New York, N. Y.
Hoggson & Pettis Mfg. Co., New Haven, Conn.
Mulhaup, F. Jos., Lafayette, Ind.
Murdock Stamp & Specialty Co., Cincinnati, O.
Noble & Westbrook Mfg. Co., East Hartford, Conn.
Pannier Bros. Stamp Co., Pittsburgh, Pa.
Rome Mfg. Co., Rome, N. Y.
Schwerdtle Stamp Co., Bridgeport, Conn.
Stafford (N.) Co., 53rd & 1st Av., B'klyn, N. Y.
Superior Seal & Stamp Co., Detroit, Mich.
Wright (Greg. G.) & Sons, Cincinnati, O.

CHECKS, Door
(See also Springs, Door)

Adams Mfg. Co., Reading, Pa.
Babson-Dow Mfg. Co., Boston, Mass.
Bommer Spring Hinge Co., 263 Classon Av., B'klyn, N. Y.
Brown (E. C.) Co., Rochester, N. Y.
California Door Closer Co., Pasadena, Calif. "N-Concealed"
Condor Co., San Francisco, Cal. (Concealed)
Corbin, P. & F., New Britain, Conn.
Door Spring Corp., 45 Astor Place, New York, N. Y. "Klosquik"
Everedy Co., Frederick, Md. "Silent, Jr," "Silent Sr."
Grant Pulley & Hdw. Co., 101 Park Av., New York, N. Y.
Independent Lock Co., Fitchburg, Mass. "Blount," "Universal"

CHECKS, Door (Continued)

Keil (Francis) & Son, 401 E. 163d, New York, N. Y.
Larimer Co., Aurora, Ill.
Lockwood Mfg. Co., South Norwalk, Conn.
Monroe Auto Equipment Co., Monroe, Mich. "Numatic"
National Door Check & Mfg. Co., Detroit, Mich. "Not-A-Slam"
Newton (C. H.) & Co., 247 Atlantic Av., Boston, Mass. (Invisible)
Niehoff (C. E.) & Co., Chicago, Ill. "Shut-E-Zee"
Norton Door Closer Co., Chicago, Ill.
Norton-Lasier Co., Chicago, Ill. "L. C. N."
Reading Hdw. Co., Reading, Pa.
Richards-Wilcox Mfg. Co., Aurora, Ill.
Rixson (Oscar C.) Co., Chicago, Ill.
Russell & Erwin Mfg. Co., New Britain, Conn. "Russwin"
Sargent & Co., New Haven, Conn. "Eclipse"
Shelby Spring Hinge Co., Shelby, O.
United Hardware & Tool Corp., 50 Howard, New York, N. Y. "B. K. S."
Winsted Hdw. Mfg. Co., Winsted, Conn. "Durabilt"
Woodstock Metal Products Co., Woodstock, Ill.
Yale & Towne Mfg. Co., Stamford, Conn. (Also Concealed)

CHECKS, Door, Screen
(See also Springs, Door, Screen)

Arcade Mfg. Co., Freeport, Ill. "Warner"
Bayer-Gardner-Himes Co., 101 Park Av., New York, N. Y. "Awl-In-One"
Brown (E. C.) Co., Rochester, N. Y.
Caldwell Mfg. Co., Rochester, N. Y. "Dime"
Corbin, P. & F., New Britain, Conn.
Detroit Door Check Co., Detroit, Mich. "Not-A-Slam"
Everedy Co., Frederick, Md.
Fiwale Equipment Mfg. Co., Inc., 64 Reade, New York, N. Y.
Holden (A. S.) Inc., Cleveland, O.
Independent Lock Co., Fitchburg, Mass.
Judd & Leland Mfg. Co., Clifton Springs, N. Y. "Universal"
Kant-Slam Door Check Co., Bloomfield, Ind.
Larimer Co., Aurora, Ill.
Larson, Chas. O., Sterling, Ill.
Monroe Auto Equipment Co., Monroe, Mich. "Numatic"
National Door Check & Mfg. Co., Detroit, Mich. "Not-A-Slam"
Niehoff (C. E.) & Co., Chicago, Ill. "Shut-E-Zee"
Norton Door Closer Co., 2900 N. Western Av., Chicago, Ill.
Rixson (Oscar C.) Co., Chicago, Ill.
Rose (Frank) Mfg. Co., Hastings, Neb.
Russell & Erwin Mfg. Co., New Britain, Conn. "Russwin"
Sargent & Co., New Haven, Conn. "All-Round," "No Slam"
Shelby Spring Hinge Co., Shelby, O.
Smith (F. H.) Mfg. Co., Chicago, Ill.
Stanley Wks., New Britain, Conn. "Perfect"
Superior Spring Hinge Co., Chicago, Ill.
Winsted Hdw. Mfg. Co., Winsted, Conn. "Durabilt"

CHECKS, Floor

Corbin, P. & F., New Britain, Conn.
Norton Door Closer Co., Chicago, Ill.
Norton-Lasier Co., Chicago, Ill.
Rixson (Oscar C.) Co., Chicago, Ill.
Yale & Towne Mfg. Co., Stamford, Conn.

CHECKS, Pay—See Checks, Brass, Time, Tool and Pay

CHECKS, Time—See Checks, Brass, Time, Tool and Pay

CHECKS, Tool—See Checks, Brass, Time, Tool and Pay

CHECKER BOARDS—See Boards, Checker Game

CHECKERS—See Games, Checkers and Backgammon

CHEESE GRATERS—See Graters, Vegetable, Etc.

CHEESE KNIVES—See Knives, Cheese

CHEMICAL CLOSETS—See Toilets, Chemical

CHEMICAL FERTILIZERS—See Fertilizers, Chemical

CHEMICAL TOILETS—See Toilets, Chemical

CHEMICAL OUTFITS, Toy—See Outfits, Chemical, Toy

CHERRY STONERS—See Stoners, Cherry

CHESS BOARDS—See Boards, Chess

CHEST CORNERS—See Corners, Box, Chests

CHEST HANDLES—See Handles, Chest

CHEST LOCKS—See Locks, Chest, Drawer and Desk

CHEST PROTECTORS—See Protectors, Body

CHESTS, Cedar

Burrowes (E. T.) Co., Portland, Me.
Clark (J. R.) Co., Minneapolis, Minn.
Ferguson Bros. Mfg. Co., Cor. 9th & Monroe, Hoboken, N. J.
Huttig Sash & Door Co., St. Louis, Mo.
Lancaster Mfg. Co., Lancaster, Pa.
Stiles (H. A.) & Co., Boston, Mass.
Tennessee Red Cedar & Novelty Co., Chattanooga, Tenn.
Universal Cabinet Co., Chicago, Ill.

CHESTS, Cedar, Toy

Browne (Jos. A.) & Son, North Manchester, Ind.
Burrowes (E. T.) Co., Portland, Me.
Converse (Morton E.) & Son Co., Winchendon, Mass.
Nussbaum Novelty Co., Berne, Ind.
Pilliod Cabinet Co., Swanton, O.
South Bend Toy Mfg. Co., South Bend, Ind.

CHESTS, Tool
(See also Boxes, Tool)

All-Steel-Equip. Co., Aurora, Ill.
American Chest Co., Waukesha, Wis.
Baker-Case Mfg. Co., Racine, Wis.
Boelter (F. W.) Mfg. Co., Chicago, Ill.
Bridgeport Hdw. Mfg. Corp., Bridgeport, Conn. "All Purpose," "Featherweight"
Chicago Tool & Kit Mfg. Co., Chicago, Ill. "C. T. K."
Economy Mfg. Co., Phila., Pa.
Gerstner (H) & Sons, Dayton, O. (Leather)
Greenfield Tap & Die Corp., Greenfield, Mass.
Heddon's (Jas.) Sons, Dowagiac, Mich.
Kennedy Mfg. Co., Van Wert, O.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Milwaukee Tool & Forge Co., S. Milwaukee, Wis.
National Cabinet Co., Dayton, O.
Pilliod Cabinet Co., Swanton, O.
Stanley Wks., New Britain, Conn.
Union Steel Chest Corp., Le Roy, N. Y.
Vanderman Mfg. Co., Willimantic, Conn.
Walker-Turner Co., Inc., Plainfield, N. J.
Wedell & Boers, Detroit, Mich.
Western Tray & Case Co., Cincinnati, O.
Yarder Mfg. Co., Toledo, O.

CHESTS, Tool, with Assorted Tools
(See also Tools, in Assortments)

Economy Mfg. Co., Phila., Pa.
Meccano Co. of America, Inc., 200 Fifth Av., New York, N. Y.
North Bros. Mfg. Co., Phila., Pa. "Yankee"
Stanley Wks., New Britain, Conn.

CHESTS, Tool, Boys'

American Mfg. Concern, Falconer, N. Y. "Elite," "Superior"
Arcade Mfg. Co., Freeport, Ill.
Converse-Mason Corp., Winchendon, Mass. "Quality Line"
Economy Mfg. Co., Phila., Pa.
Gilbert (A. C.) Co., New Haven, Conn.
Grey Iron Casting Co., Mt. Joy, Pa.
Mason & Parker Mfg. Co., Winchendon, Mass.
Meccano Co. of America, Inc., 200 Fifth Av., New York, N. Y.
Newton-Thompson Co., Brandon, Vt.
Platts Box Co., Troy, N. H.
Stanley Wks., New Britain, Conn.

CHICKEN and TURKEY STICKING KNIVES—See Knives, Sticking

CHICKEN COOP SCRAPERS — See Scrapers, Chicken Coop

CHICKEN LEG BANDS—See Bands, Leg, Poultry

CHILDREN'S BANKS—See Banks, Children's

CHILDREN'S BARROWS — See Wheelbarrows, Children's

CHILDREN'S BICYCLES—See Bicycles, Juvenile

CHILDREN'S BILLIARD and POOL TABLES—See Tables, Billiard and Pool, Children's

CHILDREN'S BLACKBOARDS—See Blackboards, Children's

CHILDREN'S BOOKS—See Books, Children's

CHILDREN'S CARS, Hand—See Cars, Hand, Children's

CHILDREN'S CARS, Walking, Hand or Foot Power—See Cars, Children's Walking, Hand or Foot Power

CHILDREN'S CHAIRS—See Chairs, Children's

CHILDREN'S DESKS—See Desks, Children's

CHILDREN'S FOOT-RACERS—See Scooters

CHILDREN'S FURNITURE—See Furniture, Children's

CHILDREN'S GOLF SETS—See Sets, Golf, Children's

CHILDREN'S LAWN MOWERS—See Mowers, Lawn, Toy

CHILDREN'S MERRY-GO-ROUNDS—See Merry-Go-Rounds

CHILDREN'S PAINTING OUTFITS—See Outfits, Painting, Children's

CHILDREN'S PLATES—See Plates, Children's

CHILDREN'S PLAYSUITS—See Suits, Children's Play

CHILDREN'S SLEDS—See Sleds

CHILDREN'S SLIDES—See Slides, Toboggan

CHILDREN'S SNOW SHOVELS—See Shovels, Snow, Juvenile

CHILDREN'S SWINGS—See Swings, Children's

CHILDREN'S TABLE SETS—See Sets, Table, Children's

CHILDREN'S VEHICLES—See article desired

CHILDREN'S WHEELBARROWS—See Wheelbarrows, Children's

CHIMES, Roller, Toy

Cass (N. D.) Co., Athol, Mass.
Converse-Mason Corp., Winchendon, Mass. "Quality Line"
Gong Bell Mfg. Co., East Hampton, Conn.
Hill (N. N.) Brass Co., East Hampton, Conn.
Mason & Parker Mfg. Co., Winchendon, Mass.

CHIMNEY CAPS—See Caps, Chimney

CHIMNEY TOPS, Revolving—See Tops, Chimney, Revolving

CHIMNEYS, Lamp, Glass

Bridgeport Lamp Chimney Co., Bridgeport, W. Va.
Cameron Glass & Mfg. Co., Cameron, W. Va.
Corning Glass Wks., Corning, N. Y. "Pyrex"
Dunbar Flint Glass Co., Dunbar, W. Va.
Fostoria Glass Co., Moundsville, W. Va.
McKee Glass Co., Jeannette, Pa.
Macbeth-Evans Glass Co., Charleroi, Pa. "Crescent," "Empire," "Iron Clad," "Keystone," "Superior," "Zenith"
Phoenix Glass Co., Pittsburgh, Pa.
Vineland Flint Glass Wks., Vineland, N. J.

CHIMNEYS, Lamp, Mica

Coleman Lamp & Stove Co., Wichita, Kansas.

CHINA BUTTONS, HANDLES AND KNOBS—See Buttons, Handles and Knobs, China

CHINA CEMENT—See Cement, China

CHINA WARE—See Ware, China

CHIPPERS, Ice

Alaska Freezer Co., Inc., Winchendon, Mass. "Cyclone"
Arcade Mfg. Co., Freeport, Ill.
Bonney Forge & Tool Wks., Allentown, Pa.
Briddell, Chas. D., Crisfield, Md. "Stan-More"
Landers, Frary & Clark, New Britain, Conn. "Universal"
North Bros. Mfg. Co., Phila., Pa. "Lightning"
Wagner Mfg. Co., Cedar Falls, Ia. "Danger"
Williamson (C. T.) Wire Novelty Co., Newark, N. J.

CHIPPING HAMMERS—See Hammers, Chipping

CHIPS, Poker

Ball (A.) & Bro., Chicago, Ill.
Bechtold (Edmund E.), Inc., Chicago, Ill. "Diamond"
Denniston Mfg. Co., Framingham, Mass.
Harris (G. H.) Co., 61 Clymer, B'klyn, N. Y.
Kechtold, E. E., Chicago, Ill.
Mechanical Rubber Co., Cleveland, O.
Molding Corp. of America, Providence, R. I.
U. S. Playing Card Co., Cincinnati, O.
Waterbury Button & Mfg. Co., Waterbury, Conn.
Western Tray & Case Co., Cincinnati, O.

CHISEL BITS—See Bits, Chisel

CHISEL BLANKS—See Blanks, Chisel

CHISEL HANDLES—See Handles, Chisel

CHISELS, Blacksmiths'

Champion-De Arment Tool Co., Meadville, Pa.
Cincinnati Tool Co., Montgomery Rd., Cincinnati, O. "Hargrave"

CHISELS, Blacksmiths' (Continued)

Cleveland Steel Tool Co., Cleveland, O.
Evansville Tool Wks., Inc., Evansville, Ind. "Acme," "Tested"
Goldblatt Tool Co., Kansas City, Mo.
Heller Bros. Co., 879 Mt. Prospect Av., Newark, N. J.
Hubbard & Co., Pittsburgh, Pa.
Iron City Tool Wks., Pittsburgh, Pa.
Milwaukee Tool & Forge Co., So. Milwaukee, Wis.
Stanley Wks., New Britain, Conn. "Stanley-Atha"
Vaughan & Bushnell Mfg. Co., Chicago, Ill.
Warren Tool & Forge Co., Warren, O. "Quikwerk"

CHISELS, Box

Billings & Spencer Co., Hartford, Conn.
Bonney Forge & Tool Works, Allentown, Pa.
Bridgeport Hdw. Mfg. Corp., Bridgeport, Conn. "Tomahawk"
Carver Tool Works, Spring Valley, N. Y.
Chapin-Stephens Co., Pine Meadow, Conn.
Cincinnati Tool Co., Montgomery Rd., Cincinnati, O. "Hargrave"
Drew (C.) & Co., Kingston, Mass.
Duffy Mfg. Co., Chicago, Ill.
Johnson (William), Inc., 86 Brenner, Newark, N. J.
Kilborn & Bishop Co., New Haven, Conn. "Green Line"
Kraeuter & Co., 575 18th Av., Newark, N. J.
National Tool Co., 86 Walker, New York, N. Y.
Osborne (C. S.) & Co., Box 183, Newark, N. J.
Sargent & Co., New Haven, Conn.
Sayre (L. A.) Co., 332 Mulberry, Newark, N. J.
Stortz (John) & Son, Phila., Pa.
Village Blacksmith Folks, Watertown, Wis.

CHISELS, Brick and Wall

Albert Tool Co., Mercer, Pa.
American Saw & Tool Wks., Chicago, Ill.
Billings Union Trowel Wks., 75 Barclay, New York, N. Y.
Carver Tool Works, Spring Valley, N. Y.
Cincinnati Tool Co., Montgomery Rd., Cincinnati, O. "Hargrave"
Crescent Tool & Mfg. Co., St. Louis, Mo.
Dallett, Thos. H., Phila., Pa.
Damascus Steel Products Corp., Rockford, Ill. "Dasco"
Disston (Henry) & Sons, (Tacony), Phila., Pa.
Drew (C.) & Co., Kingston, Mass.
Evansville Tool Wks., Inc., Evansville, Ind. "Acme," "Tested"
Fairmount Tool & Forging Co., Cleveland, O.
Hood Bros., Philadelphia, Pa.
Husky Corp., Kenosha, Wis.
Iron City Tool Wks., Pittsburgh, Pa.
Kilborn & Bishop Co., New Haven, Conn. "Green Line"
Kraeuter & Co., 575 18th Av., Newark, N. J.
Livingston Co., Rockland, Me.
Marshalltown Trowel Co., Marshalltown, Ia.
Mueller Co., Decatur, Ill.
Oxford Tool Co., Phila., Pa.
Phillips, Chas J., Baltimore, Md.
Plomb Tool Co., Los Angeles, Cal.
Rose (Wm.) & Bros., Sharon Hill, Pa.
Stanley Wks., New Britain, Conn. "Stanley-Atha"
Vaughan & Bushnell Mfg. Co., Chicago, Ill.
Village Blacksmith Folks, Watertown, Wis.
Vulcan Tool Mfg. Co., Quincy, Mass.
Western Steel Products Co., Duluth, Minn. "Westco"

CHISELS, Cape

Albert Tool Co., Mercer, Pa.
American Swiss File & Tool Co., Elizabeth, N. J.
Billings & Spencer Co., Hartford, Conn.
Buck Bros., Millbury, Mass.
Buffum (Frank G.) Mfg. Co., Louisiana, Mo.
Carver Tool Works, Spring Valley, N. Y.
Champion-De Arment Tool Co., Meadville, Pa.
Chapin-Stephens Co., Pine Meadow, Conn.
Chicago Tool & Kit Mfg. Co., Chicago, Ill. "C. T. K."
Cincinnati Tool Co., Montgomery Rd., Cincinnati, O. "Hargrave"
Cleveland Steel Tool Co., Cleveland, O.
Crescent Tool Co., Jamestown, N. Y. "Red Devil"
Damascus Steel Products Corp., Rockford, Ill. "Dasco"
Delaware Tool Co., Wilmington, Del.
Drew (C.) & Co., Kingston, Mass.
Duffy Mfg. Co., Chicago, Ill.
Evansville Tool Wks., Inc., Evansville, Ind. "Acme," "Tested"
Fairmount Tool & Forging Co., Cleveland, O.
Forged Steel Products Co., Newport, Pa. "F. S. P."
Hood Bros., Oxford, Phila., Pa.
Horning Products Co., Little Valley, N. Y. "Flinkor"
Hubbard & Co., Pittsburgh, Pa.
Husky Corp., Kenosha, Wis.
Iron City Tool Works, Pittsburgh, Pa.
Johnson (William), Inc., 86 Brenner, Newark, N. J.
Kilborn & Bishop Co., New Haven, Conn. "Green Line"
Kraeuter & Co., 575 18th Av., Newark, N. J.
Leetonia Tool Co., Leetonia, O.
Livingston Co., Rockland, Me.
Marcy Tool Works, Putnam, Conn.
Mayhew Steel Products, Inc., Shellburne Falls, Mass.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Milwaukee Tool & Forge Co., S. Milwaukee, Wis.
Old File Cutlery Co., Havana, Ill.
Osborne (C. S.) & Co., Box 183, Newark, N. J.
Oxford Tool Co., Phila., Pa.
Plomb Tool Co., Los Angeles, Cal.
Rainey Mfg. Co., Titusville, Pa.
Stanley Wks., New Britain, Conn. "Stanley-Atha"
Stortz (John) & Son, Philadelphia, Pa.
Tiffany (Carroll R.), Conklin, N. Y. "Ace"
Tuck Mfg. Co., Brockton, Mass.
Vaughan & Bushnell Mfg. Co., Chicago, Ill.
Village Blacksmith Folks, Watertown, Wis.
Vlchek Tool Co., 3006 E. 87th, Cleveland, O.
Vulcan Tool Mfg. Co., Quincy, Mass.
Western Steel Products Co., Duluth, Minn. "Westco"
Wooding-Verona Tool Wks., Verona, Pa.

CHISELS, Carpenters'

Buck Bros., Millbury, Mass.
Greenlee Tool Co., Rockford, Ill.
Mack Tool Co., Inc., East Rochester, N. Y. "D. R. Barton"
Oxford Tool Co., Phila., Pa.
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Sanduik Saw & Tool Corp., Minneapolis, Minn. "Shark" (Imported)
Stanley Wks., New Britain, Conn. "Everlasting"
Swan (Jas.) Co., Seymour, Conn.
Tuck Mfg. Co., Brockton, Mass.
Union Hdw. Co., Torrington, Conn. "Union"
White (L. & I. J.) Co., Div. of the Simonds-Worden-White Co., Dayton, O.
Winchester Repeating Arms Co., New Haven, Conn.
Winsted Edge Tool Wks., Winsted, Conn. "Witherby"

CHISELS and GOUGES, Carpenters'

Buck Bros., Millbury, Mass.
Damascus Steel Products Corp., Rockford, Ill. "Dasco"
Gardner Mach. Wks., Gardner, Mass.
Greenlee Tool Co., Rockford, Ill.
Mack Tool Co., Inc., East Rochester, N. Y. "D. R. Barton"
Milwaukee Tool & Forge Co., S. Milwaukee, Wis.
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Sanduik Saw & Tool Corp., Minneapolis, Minn. "Shark" (Imported)
Stanley Wks., New Britain, Conn.
Stortz (John) & Son, Phila., Pa.
Swan (Jas.) Co., Seymour, Conn.
Tuck Mfg. Co., Brockton, Mass.
Union Hdw. Co., Torrington, Conn.
White (L. & I. J.) Co., Div. of the Simonds-Worden-White Co., Dayton, O.
Winsted Edge Tool Wks., Winsted, Conn. "Witherby"

CHISELS, Cold

Abegg & Reinhold Co., Los Angeles, Cal. "Varco"
Ace Tool Co., Little Valley, N. Y.
American Saw & Tool Wks., Chicago, Ill.
American Swiss File & Tool Co., Elizabeth, N. J.
Atwater Mfg. Co., Plantsville, Conn.
Badger Tool & Forge Co., Oshkosh, Wis.
Barcalo Mfg. Co., Buffalo, N. Y.
Billings & Spencer Co., Hartford, Conn.
Bridgeport Hdw. Mfg. Corp., Bridgeport, Conn. "Ajax," "Vulcan"
Buffum (Frank G.) Mfg. Co., Louisiana, Mo.
C-K-R Company, Cleveland, O.
Carver Tool Wks., Spring Valley, N. Y.
Champion-De Arment Tool Co., Meadville, Pa. "Critics"
Chapin-Stephens Co., Pine Meadow, Conn.
Chicago Tool & Kit Mfg. Co., Chicago, Ill.
Cincinnati Tool Co., Montgomery Rd., Cincinnati, O. "Hargrave"
Cleveland Steel Tool Co., Cleveland, O.
Cream City Tool & Mfg. Co., Milwaukee, Wis. "Peerless"
Crescent Tool Co., Jamestown, N. Y. "Red Devil"
Crescent Tool & Mfg. Co., St. Louis, Mo.
Dallet (Thos. H.) Co., Phila., Pa.
Damascus Steel Products Corp., Rockford, Ill. "Dasco"
Day Co., Clinton, Conn.
Delaware Tool Co., Wilmington, Del.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Drew (C.) & Co., Kingston, Mass.
Duffy Mfg. Co., Chicago, Ill.
Eagle Tool Wks., Bayonne, N. J.
Evansville Tool Wks., Inc., Evansville, Ind. "Acme," "Tested"
Fairmount Tool & Forging Co., Cleveland, O.
Forged Steel Products Co., Newport, Pa. "F. S. P."
Granite City Tool Co., Inc., Barre, Vt.
Hall Mfg. Co., Cedar Rapids, Ia. "Hal-Ege"
Harrold (H. J.) Tool Co., Columbiana, O.
Heller Bros. Co., 879 Mt. Prospect Ave., Newark, N. J.
Hood Bros., Phila., Pa.
Horning Products Co., Little Valley, N. Y. "Flinkor"
Hubbard & Co., Pittsburgh, Pa.
Husky Corp., Kenosha, Wis.
International Nutyp Tool Co., Oswego, N. Y.
Iron City Tool Works, Pittsburgh, Pa.
Johnson (William), Inc., 36 Brenner, Newark, N. J.
Kilborn & Bishop Co., New Haven, Conn. "Green Line"
Klein-Logan Co., Pittsburgh, Pa.
Kraeuter & Co., 575 18th Av., Newark, N. J. "Dreadnaught"
Leetonia Tool Co., Leetonia, O.
Livingston Co., Rockland, Me.
Marcy Tool Wks., Putnam, Conn.
Marion Craftsman Tool Co., Marion, Ind.
Maydole (David) Tool Corp., Norwich, N. Y.
Mayhew Steel Products, Inc., Shelburne Falls, Mass.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Milwaukee Tool & Forge Co., S. Milwaukee, Wis.
Mueller Co., Decatur, Ill.
National Tool Co., 86 Walker, New York, N. Y.
Niagara Mach & Tool Wks., Buffalo, N. Y.
Old File Cutlery Co., Havana, Ill.
Osborne (C. S.) & Co., Box 183, Newark, N. J.
Oxford Tool Co., Phila., Pa.
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Phillips, Chas. J., Baltimore, Md.
Plomb Tool Co., Los Angeles, Cal.
Plumb (Fayette R.), Inc., Phila., Pa.
Rainey Mfg. Co., Titusville, Pa.
Ryan (James T.) Tool Works, Southington, Conn.
Sargent & Co., New Haven, Conn.
Snell Mfg. Co., Fiskdale, Mass.
Southington Mfg. Co., Southington, Conn. "Pioneer"
Stanley Wks., New Britain, Conn. "Stanley-Atha"
Stortz (John) & Son, Phila., Pa.
Tobrin Tool Co., Plantsville, Conn.
Tuck Mfg. Co., Brockton, Mass.
Vaughan & Bushnell Mfg. Co., Chicago, Ill.
Village Blacksmith Folks, Watertown, Wis.
Vlchek Tool Co., 3006 E. 87th, Cleveland, O.
Vulcan Tool Mfg. Co., Quincy, Mass.
Warren Tool & Forge Co., Warren, O. "Quikwerk"
Washington Steel & Ordnance Co., Washington, D. C.
Western Steel Products Co., Duluth, Minn. "Westco"
Winchester Repeating Arms Co., New Haven, Conn.
Wooding-Verona Tool Wks., Verona, Pa.

CHISELS, Electricians'

Buffum (Frank G.) Mfg. Co., Louisiana, Mo.
Cincinnati Tool Co., Montgomery Rd., Cincinnati, O.
Crescent Tool Co., Jamestown, N. Y. "S. & H."
Disston (Henry) & Sons, Inc., (Tacony), Phila., Pa.
Drew (C.) & Co., Kingston, Mass.
Fairmount Tool & Forging Co., Cleveland, O.
Forged Steel Products Co., Newport, Pa. "F. S. P."
Kilborn & Bishop Co., New Haven, Conn. "Green Line"
Stanley Wks., New Britain, Conn. "Stanley-Atha"

CHISELS, Floor

Albert Tool Co., Mercer, Pa.
Cincinnati Tool Co., Montgomery Rd., Cincinnati, O.
Collins Co., Collinsville, Conn. "Legitimus"
Delaware Tool Co., Wilmington, Del.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Drew (C.) & Co., Kingston, Mass.
Eagle Tool Wks., Bayonne, N. J.
Fairmount Tool & Forging Co., Cleveland, O.
Hood Bros., Oxford St., Phila., Pa.
Iron City Tool Works, Pittsburgh, Pa.
Kilborn & Bishop Co., New Haven, Conn. "Green Line"
Kraeuter & Co., 575 18th Av., Newark, N. J.
Oxford Tool Co., Phila., Pa.
Plomb Tool Co., Los Angeles, Cal.
Stanley Wks., New Britain, Conn. "Stanley-Atha"

CHISELS, Hollow—See Chisels, Mortising, Hollow

CHISELS, Ice

American Fork & Hoe Co., Cleveland, O. "True Temper"
Ames Baldwin Wyoming Shovel Co., Parkersburg, W. Va.
Arcade Mfg. Co., Freeport, Ill.
Briddell, Chas. D., Crisfield, Md.
Chapin-Stephens Co., Pine Meadow, Conn.
Chatillon (John) & Sons, 85 Cliff, New York, N. Y.
Columbus Handle & Tool Corp. Works of the National Handle Co., Columbus, Ind.
Gruman Ice Tool Works, Branchville, Conn.
P. M. C. Mfg. Corp., Kingston, N. Y. "Keeno"
Royal Mfg. Co., Phila., Pa.
Stortz (John) & Son, Phila., Pa.
Stover Mfg. & Engine Co., Freeport, Ill.
Union Fork & Hoe Co., Columbus, O.
White (Ira F.) & Son Co., Bloomfield, N. J.
Williams (A. C.) Co., Ravenna, O.
Wrightsville Hardware Co., Wrightsville, Pa. "Standard"

CHISELS, Mortising, Hollow

Bergholtz, Strodtz & Co., Chicago, Ill.
Forest City Bit & Tool Co., Rockford, Ill.
Greenlee Tool Co., Rockford, Ill.
Pugh (Job T.), Inc., Phila., Pa.

CHISELS, Plumbers'

Billings & Spencer Co., Hartford, Conn.
Buffum (Frank G.) Mfg. Co., Louisiana, Mo.
Cincinnati Tool Co., Montgomery, Rd., Cincinnati, O.
Crescent Tool & Mfg. Co., St. Louis, Mo.
Dallett (Thos. H.) Co., Phila., Pa.
Evansville Tool Wks., Inc., Evansville, Ind. "Acme," "Tested"
Hood Bros., Oxford St., Phila., Pa.
Johnson (William), Inc., 36 Brenner, Newark, N. J.
Kilborn & Bishop Co., New Haven, Conn. "Green Line"
Plomb Tool Co., Los Angeles, Cal.
Vaughan & Bushnell Mfg. Co., Chicago, Ill.
Village Blacksmith Folks, Watertown, Wis.

CHISELS, Railroad Track

Evansville Tool Wks., Inc., Evansville, Ind. "Acme," "Tested"
Iron City Tool Wks., Pittsburgh, Pa.
Stanley Wks., New Britain, Conn. "Stanley-Atha"
Warren Tool & Forge Co., Warren, O. "Cut Devil," "Quikwerk"

CHOPPERS, Food—See Choppers, Meat and Food

CHOPPERS, Ice—See Breakers, Ice

CHOPPERS, Meat and Food

Altorfer Bros. Co., Peoria, Ill. "A B C Electrotable"
American Utensil Co., Chicago, Ill. "Sep-ro-siv"
Beacon Mfg. Co., Inc., Phila., Pa. (Clampless)
Cleveland Klean-Kut Mfg. Co., Cleveland, O.
Colebrookdale Iron Co., Dept. C., Boyertown, Pa. "Keystone"
Deer (A. J.) Co., Hornell, N. Y. "Royal" (Electric)
Ennis Mfg. Co., Reading, Pa.
Enterprise Mfg. Co. of Pa., Phila., Pa.
Gray Iron Foundry Co., Reading, Pa.
Grey Iron Casting Co., Mt. Joy, Pa. (Toy)
Griswold Mfg. Co., Erie, Pa.
Hobart Mfg. Co., Troy, O. (Electric)
Hoe Corp., Poughkeepsie, N. Y. "Merryway" (Electric)
Holwick, B. C., Canton, O. (Electric)
International Business Machines Corp., 270 B'way, New York, N. Y.
Kitchen Aid Mfg. Co., Troy, O. (Electric)
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass. "Anchor"
Landers, Frary & Clark, New Britain, Conn. "Climax," "Universal"
New Standard Corp., Mt. Joy, Pa. "De Luxe," "Dandy," "Regal"
Ohlen-Bishop Co., Columbus, O.
Read Mfg. Co., York, Pa. (Electric)
Reich (Ernest) & Co., Chicago, Ill. "Tearless"
Russell & Erwin Mfg. Co., New Britain, Conn. "Russwin"
Sargent & Co., New Haven, Conn. "Gem"
Smith's (John E.) Sons Co., Buffalo, N. Y. "Buffalo," "Buffalo Silent"
Troemner, Henry, Phila., Pa. (Meat)
United States Lock & Hdw. Co., Columbia, Pa.
Valley Electric Co., St. Louis, Mo.
Village Blacksmith Folks, Watertown, Wis.

CHOPPERS, Vegetable—See Choppers, Meat and Food

CHOPPING BOWLS—See Bowls, Wooden

CHOPPING KNIVES—See Knives, Chopping

CHRISTMAS PAPER BELLS—See Bells, Paper, Christmas

CHRISTMAS SNOW—See Snow, Artificial

CHRISTMAS STOCKINGS, Filled with Toys—See Stockings, Christmas, Filled with Toys

CHRISTMAS TREE CANDLES—See Candles, Birthday

CHRISTMAS TREE FENCES—See Fences, Christmas Tree

CHRISTMAS TREE HOLDERS—See Holders, Christmas Tree

CHRISTMAS TREE ORNAMENTS—See Ornaments, Christmas Tree

CHRISTMAS TREE OUTFITS, Electric—See Outfits, Christmas Tree, Electric

CHRISTMAS TREE STANDS—See Holders, Christmas Tree

CHRISTMAS TREES, Artificial—See Trees, Christmas, Artificial

CHUCK ARBORS—See Arbors, Chuck

CHUCKS, Drill

Almond (T. R.) Mfg. Co., Ashburnham, Mass.
Casler, Herman, Canastota, N. Y.
Champion Blower & Forge Co., Lancaster, Pa.
Cushman Chuck Co., Hartford, Conn.
Eastern Tube & Tool Co., 594 Johnson Av., B'klyn, N. Y. "Ettco"
Electrovent Fan & Mfg. Co., Chicago, Ill.
Horton (E.) & Son Co., Windsor Locks, Conn. "Morrow"
Jacobs Mfg. Co., Hartford, Conn. "Improved," "Jacobs," "Super"
McCrosky Tool Corp., Meadville, Pa. "Wizard"
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Modern Tool Wks., Div. of Consolidated Tool Corp. of America, Rochester, N. Y. "Magic"
Morse Twist Drill & Mach Co., New Bedford, Mass.
Narragansett Mach. Co., Providence, R. I. "Coit Ball Bearing"
North Bros. Mfg. Co., Phila., Pa. "Yankee'
Pratt Chuck Co., Frankfort, N. Y.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Scully-Jones & Co., Chicago, Ill. "Wear-Ever"
Skinner Chuck Co., New Britain, Conn.
Standard Tool Co., Cleveland, O.
Stearns (E. C.) & Co., Syracuse, N. Y.
Union Plane Co., New Britain, Conn.
Westcott Chuck Co., Oneida, N. Y. "Little Giant"
Whitman & Barnes, Inc., Detroit, Mich. "Graham"
Whiton (D. E.) Mach. Co., New London, Conn.

CHUCKS, Lathe

Almond (T. R.) Mfg. Co., Ashburnham, Mass.
Cushman Chuck Co., Hartford, Conn.
Gisholt Mach. Co., Madison, Wis.
Hoggson & Pettis Mfg. Co., New Haven, Conn. "Sweetland"
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Scully-Jones & Co., Chicago, Ill. "Wear-Ever"
Skinner Chuck Co., New Britain, Conn.
Union Plane Co., New Britain, Conn.
Westcott Chuck Co., Oneida, N. Y.
Whiton (D. E.) Mach. Co., New London, Conn.

CHURCH BELLS—See Bells, Church

CHURNS

Arlington Mach. Wks., 668 Jenks, St. Paul, Minn.
Buckeye Pottery Co., Macomb, Ill.
Burley & Winter Pottery Co., Crooksville, O.
Cherry-Burrell Corp., Cedar Rapids, Ia.
Creamery Package Mfg. Co., Chicago, Ill. "Disbrow"
Dazey Churn & Mfg. Co., St. Louis, Mo. (Also Paint Mixing) (Electric & Hand)
Frederickson Bros., Cassadaga, N. Y. "Fenner"
Holt-Lyon Co., Saugerties, N. Y.
Landers, Frary & Clark, New Britain, Conn.
McDermaid (John) Co., Rockford, Ill. "Belle," "Favorite," "Star"
Pittsburg Pottery Co., Pittsburg, Kan.
Richmond Cedar Wks., Richmond, Va.
Solar-Sturges Mfg. Co., Melrose Park, Ill.
Standard Churn Co., Wapakoneta, O. "Banner," "Glass," "Metal"
Stratton & Terstegge Co., Inc., Mfg. Div., Louisville, Ky. "Falls City"
Superior Churn & Mfg. Co., Northville, Mich. "Sanitary"
Taylor Bros. Churn & Mfg. Co., St. Louis, Mo. "Reliable"
United Royalties Corp., 1133 Bway, New York, N. Y. "Ladd"

CHUTES, Coal

Adams Co., The, Dubuque, Ia.
Avondale Stove & Fdy. Co., Birmingham, Ala.
Chattanooga Implement & Mfg. Co., Chattanooga, Tenn.
Clark (H. W.) Co., Mattoon, Ill.
Covert (H. W.) Co., 229 E. 37th, New York, N. Y.
Donley Bros. Co., Cleveland, O.
Erie Enameling Co., Erie, Pa.
Franklin Equipment Co., Monticello, Ia.
Gabriel Steel Co., Detroit, Mich.
General Wheelbarrow Co., Cleveland, O.
Hastings Equity Grain Bin Mfg. Co., Hastings, Neb.
Indiana Fdry. Co., Indiana, Pa.
Jackson (Edwin A.) Bros., 50 Beekman, New York, N. Y. "Jaxon," "Majestic," "Windo-Shutes"
Kewanee Mfg. Co., Kewanee, Ill.
Klauer Mfg. Co., Dubuque, Ia.
Lansing Co., Lansing, Mich.
Leavitt Mfg. Co., Urbana, Ill.
Lennox Furnace Co., Syracuse, N. Y. "Marvel"
Logan Co., Louisville, Ky.
Majestic Co., Huntington, Ind.
Maple City Furnace Co., Monmouth, Ill.
Mesker Bros. Iron Co., St. Louis, Mo.
Northwest Metal Products, Inc., Seattle, Wash. "Norwesco"
Northwestern Stove Co., Chicago, Ill.
Peerless Mfg. Co., Louisville, Ky.
Pioneer Mfg. Co., Middlebury, Ind.
Ravenna Furnace & Heating Co., Ravenna, O.
Sackett (H. B.) Screen & Chute Co., Chicago, Ill. "Hi Carbo"
Sterling Fdry. Co., Sterling, Ill. "Star"
Stover Mfg. & Engine Co., Freeport, Ill.
Swett (A. L.) Iron Works, Medina, N. Y.
Truscon Steel Co., Youngstown, O.
Union Steel Products Co., Albion, Mich.
Western Steel Products Co., Duluth, Minn.

CIDER BARRELS—See Barrels and Kegs

CIDER MILLS—See Mills and Presses, Cider

CIDER PRESSES—See Mills and Presses, Cider

CIDER PUMPS—See Pumps, Cider

CIGAR ASH RECEIVERS—See Receivers, Ash

CIGAR KNIVES—See Knives, Cigar

CIRCULAR FILES—See Files, Circular

CIRCULAR MITRE SAWS—See Saws, Circular Mitre

CIRCULAR SAWS—See Saws, Circular

CIRCULAR SAW MANDRELS—See Mandrels, Circular Saw

CIRCUMFERENCE GAGES—See Gages, Circumference

CIRCUS TOYS

Gibbs Mfg. Co., Canton, O.
Madmar Quality Co., Utica, N. Y.
Paraffine Co., San Francisco, Calif. "Pabco"
Schoenhut (A) Co., Phila., Pa.
Stone (N. M.) Co., Inc., Chicago, Ill.
Wilder Mfg. Co., St. Louis, Mo.

CISTERN AND WELL CYLINDERS—See Cylinders, Well and Cistern

CISTERN COVERS—See Covers, Cistern

CISTERN PUMPS—See Pumps, Cistern and Sink

"C" CLAMPS—See Clamps, "C"

CLAM HOOKS—See Hooks, Clam

CLAM KNIVES—See Knives, Oyster and Clam

CLAM TONGS—See Tongs, Oyster and Clam

CLAMPS, Beam

Hess (Chas.) Co., 49-14 Metropolitan Av., B'klyn, N. Y.

CLAMPS, Bench

Black Bros. Co., Inc., Mendota, Ill.
Blackburn Specialty Co., Cleveland, O.

CLAMPS, Body

Adjustable Clamp Co., 411 N. Ashland Av., Chicago, Ill. "Mark"
Black Bros., Inc., Mendota, Ill.
Cincinnati Tool Co., Cincinnati, O. "Hargrave"
Columbian Vise & Mfg. Co., Cleveland, O.

CLAMPS, Brick

Donley Bros. Co., Cleveland, O.
Duplex Mfg. & Foundry Co, Elyria, O.
Mostberger Iron Co., Buffalo, N. Y.
Swett (A. L.) Iron Wks., Medina, N. Y.

CLAMPS, "C"

Adjustable Clamp Co., 411 N. Ashland Av., Chicago, Ill. "Mark"
Armstrong Bros. Tool Co., 300 N. Francisco Av., Chicago, Ill.
Batavia Clamp Co., Batavia, N. Y. "Colts"
Belden Mach. Co., New Haven, Conn. "Bel-den"
Billings & Spencer Co., Hartford, Conn. "Triangle B"
Black Bros. Co., Inc., Mendota, Ill.
Brownie Mfg. Co., Inc., Ft. Wayne, Ind. "Economy"
Cincinnati Tool Co, Montgomery Rd., Cincinnati, O. "Hargrave"
Columbian Vise & Mfg. Co., Cleveland, O.
Eberhard Manufacturing Co., 2790 Tennyson Rd., Cleveland, O.
Ekstrom, Carlson & Co., Rockford, Ill.
Hardware Specialty Mfg. Co., Temple, Pa. "Hardy"
Malleable Iron Fittings Co., Branford, Conn. "M. I. F. Co."
Stearns (E. C.) & Co., Syracuse, N. Y. "Stearns Ecsco"
Western Tool & Mfg. Co., Springfield, O.
Williams (J. H.) & Co., Buffalo, N. Y. "Agrippa," "Vulcan"

CLAMPS, Cabinet Makers'

Adjustable Clamp Co., 411 N. Ashland Av., Chicago, Ill. "Holman," "Jorgensen" (Steel Spindle), "Little Giant," "Mark," "Peerless," "Pony"
Batavia Clamp Co., Batavia, N. Y.
Black Bros. Co., Inc., Mendota, Ill.
Bliss (R.) Mfg. Co., Pawtucket, R. I.
Christiansen, C., Chicago, Ill.
Cincinnati Tool Co., Montgomery Rd., Cincinnati, O. "Hargrave"
Dann Bros. & Co., New Haven, Conn.
Dayton Malleable Iron Co., Dayton, O.
Eberhard Manufacturing Co., 2790 Tennyson Rd., Cleveland, O.
Ekstrom, Carlson & Co., Rockford, Ill.
Handy Mfg. Co., 29 E. Madison, Chicago, Ill.
Hardware Specialty Mfg. Co., Temple, Pa. "Hardy"
Josef (E. E.) Mfg. Co., Buffalo, N. Y.
Narragansett Mach. Co., Providence, R. I.
Oliver Machy. Co., Grand Rapids, Mich.
Palmer (A. E.) & Sons, Owosso, Mich.
Peck, Stow & Wilcox Co., Southington, Conn.
Phoenix Hdw. Mfg. Co., Buffalo, N. Y.
Sargent & Co., New Haven, Conn.
Wrightsville Hdw. Co., Wrightsville, Pa.

CLAMPS, Cable

(See also Clamps, Wire Rope; also Fittings, Wire Rope)

Bonney Forge & Tool Wks., Allentown, Pa.
Diamond Expansion Bolt Co., 48 W. B'way, New York, N. Y.
Ideal Clamp Mfg. Co., 200 Bradford, B'klyn, N. Y.
Matthews (W. N.) Corp., St. Louis, Mo.
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O.

CLAMPS, Cable (Continued)

Ney Mfg. Co., Canton, O.
Oliver Iron & Steel Corp., Pittsburgh, Pa.
Star Expansion Bolt Co., 147 Cedar, New York, N. Y. "Sebco"
Steel City Electric Co., Pittsburgh, Pa. "Marchand"
Universal Cable Grip Co., Skaneateles, N. Y.
Wrigley (Thos.) Co., Chicago, Ill. "Ahlander"

CLAMPS, Carpenters'

Adjustable Clamp Co., 411 N. Ashland Av., Chicago, Ill. "Holman," "Jorgensen" (Steel Spindle), "Little Giant," "Mark," "Peerless," "Pony"
Barcy-Nicholson Co., Detroit, Mich. "Lightning Grip"
Batavia Clamp Co., Batavia, N. Y. "Colts"
Belden Mach. Co., New Haven, Conn. "Bel-den"
Billings & Spencer Co., Hartford, Conn.
Black Bros. Co., Inc., Mendota, Ill.
Bliss (R.) Mfg. Co., Pawtucket, R. I.
Bonney Forge & Tool Wks., Allentown, Pa.
Brownie Mfg. Co., Inc., Ft. Wayne, Ind. "Economy"
Cincinnati Tool Co., Montgomery Rd., Cincinnati, O. "Hargrave"
Dann Bros. & Co., New Haven, Conn.
Eberhard Manufacturing Co., 2790 Tennyson Rd., Cleveland, O.
Hardware Specialty Mfg. Co., Temple, Pa. "Hardy"
Malleable Iron Fittings Co., 10 Nichols, Branford, Conn.
Narragansett Mach. Co., Providence, R. I.
Neevel Mfg. Co., Kansas City, Mo.
Phoenix Hdw. Mfg. Co., Buffalo, N. Y.
Starrett (L. S.) Co., Athol, Mass.
Stearns (E. C.) & Co., Syracuse, N. Y. "Stearns Ecsco"
Stover Mfg. & Engine Co., Freeport, Ill.
Syracuse Stamping Co., Inc., Syracuse, N. Y. "Syraco"
Taylor (Jas. L.) Mfg. Co., Poughkeepsie, N. Y.
Wilcox, Crittenden & Co., Inc., 77 S. Main, Middletown, Conn. (Ship)
Wrightsville Hdw. Co., Wrightsville, Pa.

CLAMPS, Carriagemakers'

Adjustable Clamp Co., 411 N. Ashland Av., Chicago, Ill. "Mark," "Snow Pattern"
Armstrong Bros. Tool Co., 300 N. Francisco Av., Chicago, Ill.
Batavia Clamp Co., Batavia, N. Y.
Black Bros. Co., Inc., Mendota, Ill.
Brownie Mfg. Co., Inc., Ft. Wayne, Ind.
Cincinnati Tool Co, Montgomery Rd., Cincinnati, O. "Hargrave"
Dann Bros. & Co., New Haven, Conn.
Eberhard Manufacturing Co., 2790 Tennyson Rd., Cleveland, O.
Hardware Specialty Mfg. Co., Temple, Pa. "Hardy"
Malleable Iron Fittings Co., 10 Nichols, Branford, Conn.
Phoenix Hdw. Mfg. Co., Buffalo, N. Y.
Sargent & Co., New Haven, Conn.
Stearns (E. C.) & Co., Syracuse, N. Y. "Stearns Ecsco"
Taylor (Jas. L.) Mfg. Co., Poughkeepsie, N. Y.
Woodruff (Walter W.) & Sons Co., Mount Carmel, Conn.

CLAMPS, Curtain Stretcher—See Clamps, Frame, Quilt

CLAMPS, Flooring

Black Bros. Co., Inc., Mendota, Ill.
Pratt (Wm. E.) Mfg. Co., Chicago, Ill.
Stearns (E. C.) & Co., Syracuse, N. Y. "Stearns Ecsco"

CLAMPS, Form, Concrete

Batavia Clamp Co., Batavia, N. Y. "Colt's"
Black Bros. Co., Inc., Mendota, Ill.
Cincinnati Tool Co., Montgomery Rd., Cincinnati, O. "Hargrave"
Fischer & Hayes Rope & Steel Co., Chicago, Ill. "Bosco"
Insley Mfg. Co., Indianapolis, Ind.
Neevel Mfg. Co., Kansas City, Mo.
Universal Form Clamp Co., Chicago, Ill.
Wrigley (Thos.) Co., Chicago, Ill. "Ahlander"

CLAMPS, Frame, Quilt

Arcade Mfg. Co., Freeport, Ill.
Brownie Mfg. Co., Inc., Ft. Wayne, Ind.
Champion Hdw. Co., Geneva, O.
Cincinnati Tool Co., Montgomery Rd., Cincinnati, O. "Hargrave"
Fanner Mfg. Co., Cleveland, O. "Arctic"
Grey Iron Casting Co., Mt. Joy, Pa.
Phoenix Hdw. Mfg. Co., Buffalo, N. Y.
Reading Hdw. Co., Reading, Pa.
Sargent & Co., New Haven, Conn.
Stearns (E. C.) & Co., Syracuse, N. Y. "Stearns Ecsco"
Stover Mfg. & Engine Co., Freeport, Ill. "Ideal"
Wrightsville Hdw. Co., Wrightsville, Pa.

CLAMPS, Ground, Radio—See Radio Clamp, Ground

CLAMPS, Guy—See Clamps, Cable

CLAMPS, and FIXTURES, Hay Rack

Cizek Bros. Mfg. Co., Clutier, Ia. "E-Z Way"
Franklin Equipment Co., Monticello, Ia.
Hall Mfg. Co., Cedar Rapids, Ia.
Hudson (H. D.) Mfg. Co., Chicago, Ill. "Strickler"
Louden Mchy. Co., Fairfield, Ia. "Illinois"
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O. "Standard," "Take-Down," "Wenzelmann"
Ney Mfg. Co., Canton, O.
Porter, J. E.) Co., Ottawa, Ill.
Pratt (Wm. E.) Mfg. Co., Chicago, Ill.
Starline, Inc., Harvard, Ill. "Harvard," "New Star"
Wagner Mfg. Co., Cedar Falls, Ia.

CLAMPS, Hose

Allen (W. D.) Mfg. Co., Chicago, Ill. "Bull Dog," "Caldwell"
Alsteel Mfg. Co., Battle Creek, Mich.
American Stamping Co., Battle Creek, Mich.
Banner Accessory Mfg. Co., St. Louis, Mo.
Bieber (Otto) & Co., 5 Columbus Circle, New York, N. Y. "Grip-Tite"
Boston Woven Hose & Rubber Co., Cambridge, Mass.
Buck (Wm. E.) Mfg. Co., Eastport, Me.
Clancy (J. R.), Inc., Syracuse, N. Y. "Sure Grip"
Cooper Clamp Mfg. Co., 1742 Atlantic Av., B'klyn, N. Y. "Baby Presto," "Everysize," "Presto"
Crane Co., Chicago, Ill.
Edelmann (E.) & Co., Chicago, Ill.
Everhot Mfg. Co., Maywood, Ill. "Ever-Grip"
Federal Tin Co., Baltimore, Md.
Harrisburg Stamping Co., Harrisburg Pa. "Lightning"
Hudson Parer Co., Leominster, Mass.
Ideal Clamp Mfg. Co., 200 Bradford, B'klyn, N. Y. "Efficiency," "Fitzall"
Jubilee Mfg. Co., Omaha, Neb. "Jubilee Worm Drive"
Keystone Brass & Rubber Co., Phila., Pa.
Knox Mfg. Co., Phila., Pa.
Liberty Engineering Corp., Mt. Vernon, N. Y. "Wrap Lock"
Milburn (Alexander) Co., Baltimore, Md.
Nelson (L. R.) Mfg. Co., Peoria, Ill.
Pennsylvania Stamping Corp., York, Pa. "On-Quick"
Phoenix Hdw. Mfg. Co., Buffalo, N. Y.
Schlangen Mfg. Co., Chicago, Ill. "Universal"
Schrader's (A.) Son, 470 Vanderbilt Av., B'klyn, N. Y.
Screw Machine Products Corp., Providence, R. I. "Morganmade"
Sherman (H. B.) Mfg. Co., Battle Creek, Mich.
Stevens Walden, Inc., Worcester, Mass.
United Steel & Wire Co., Battle Creek, Mich. "Double Tight"
Universal Industrial Corp., Hackensack, N. J.
Walworth Co., Statler Bldg., Boston, Mass.
Williams (J. H.) & Co., Buffalo, N. Y.
Wolverine Brass Wks, Grand Rapids, Mich.
Yerdon, Wm. (Est.) Fort Plain, N. Y.

CLAMPS, Line

Stanley Wks., New Britain, Conn. "Pul-Tite"

CLAMPS, Machinists'

Adjustable Clamp Co., 411 N. Ashland Av., Chicago, Ill. "Mark"
Armstrong Bros. Tool Co., 300 N. Francisco Av., Chicago, Ill.
Belden Mach. Co., New Haven, Conn. "Bel-den"
Billings & Spencer Co., Hartford, Conn. "Triangle B"
Black Bros. Co., Inc., Mendota, Ill.
Brown & Sharpe Mfg. Co., Providence, R. I.
Cincinnati Tool Co, Montgomery Rd., Cincinnati, O. "Hargrave"
Eberhard Mfg. Co., 2790 Tennyson Rd., Cleveland, O.
Fort Dearborn Mfg. Co., Sterling, Ill.
Le Count (W. G.) Tool Wks., South Norwalk, Conn.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Pawtucket Mfg. Co., Pawtucket, R. I.
Phoenix Hdw. Mfg. Co., Buffalo, N. Y.
Pratt (Wm. E.) Mfg. Co., Chicago, Ill.
Starrett (L. S.) Co., Athol, Mass.
Tallman Mfg. Co., Shelbyville, Ill. "Quick Change," "Richtal"
Taylor (Jas. L.) Mfg. Co., Poughkeepsie, N. Y.
Union Tool Co., Orange, Mass.
Western Tool & Mfg. Co., Springfield, O.
Williams (J. H.) & Co., Buffalo, N. Y. "Vulcan"

CLAMPS, Mitre

Batavia Clamp Co., Batavia, N. Y. "Colts"
Black Bros. Co., Inc., Mendota, Ill.
Handy Mfg. Co., Chicago, Ill.
Taylor (Jas. L.) Mfg. Co., Poughkeepsie, N. Y.

CLAMPS, Piano Makers—See Clamps, Cabinet Makers'

CLAMPS, Pipe

Black Bros. Co., Inc., Mendota, Ill.
Cincinnati Iron Fence Co., Cincinnati, O.
Crane Co., Chicago, Ill.
Hess (Chas.) Co., 49-14 Metropolitan Av., B'klyn, N. Y.
Ludlow Stamping & Fabricated Steel Co., Phila, Pa. "Kass" (Repair)
Smooth-On Mfg. Co., 570 Communipaw Av., Jersey City, N. J.
United Screw & Bolt Corp., Cleveland, O.
Walworth Co., Statler Bldg., Boston, Mass.
Williams (J. H.) & Co., Buffalo, N. Y. "Vulcan"

CLAMPS, Rope, Manila

Heartley Machine Variety Iron & Tool Wks., Toledo, O.
Kalman Steel Co., Inc., Wrigley Bldg., Chicago, Ill.
Oil Well Supply Co., Pittsburgh, Pa.
Thomas Mfg. Co., Cedar Rapids, Ia.

CLAMPS, Saw

Atkins (E. C.) & Co., Indianapolis, Ind. "A. A. A."
Cincinnati Tool Co., Montgomery Rd., Cincinnati, O. "Hargrave"
Covel Mfg. Co., Benton Harbor, Mich.
Crescent Mach. Co., Leetonia, O.
Dikeman Mfg. Co., Norwalk, Conn.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Franklin Tool Co., Buffalo, N. Y.
Gustafson & Scott Mfg. Co., Chicago, Ill. "Climax"
Reading Hdw. Co., Reading, Pa.
Simonds Saw & Steel Co., Fitchburg, Mass.
Star Heel Plate Co., Louis Sacks, Inc., 357 Wilson Av., Newark, N. J.
Steel Drum Accessories Corp., Buffalo, N. Y.

CLAMPS, Screw

Adjustable Clamp Co., 411 N. Ashland Av., Chicago, Ill. "Jorgensen," "Little Giant," "Mark," "Peerless," "Pony"
Armstrong Bros. Tool Co., 300 N. Francisco Av., Chicago, Ill.
Batavia Clamp Co., Batavia, N. Y. "Colts"
Black Bros. Co., Inc., Mendota, Ill.
Bliss (R.) Mfg. Co., Pawtucket, R. I.
Bogert & Hopper, 223 Varick, New York, N. Y.
Brownie Mfg. Co., Inc., Ft. Wayne, Ind.
Cincinnati Tool Co., Montgomery Rd., Cincinnati, O. "Hargrave"
Dayton Malleable Iron Co., Dayton, O.
Eberhard Mfg. Co., 2790 Tennyson Rd., Cleveland, O.
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Graffam Metal Products Co., Worcester, Mass.
Handy Mfg. Co., Chicago, Ill.
Livingston Co., Rockland, Me.
Malleable Iron Fittings Co., Branford, Conn. "M. I. F. Co."
Phoenix Hdw. Mfg. Co., Buffalo, N. Y.
Stearns (E. C.) & Co., Syracuse, N. Y. "Stearns Ecsco"
Wilcox, Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.
Woodruff (Walter W.) & Sons Co., Mt. Carmel, Conn.

CLAMPS, Steel Bar

Adjustable Clamp Co., 411 N. Ashland Av., Chicago, Ill. "Holman," "Pony"
Bass Bros., Inc., 58th Rd. & Rust, B'klyn, N. Y.
Black Bros. Co., Inc., Mendota, Ill.
Cincinnati Tool Co., Montgomery Rd., Cincinnati, O. "Hargrave"
Stearns (E. C.) & Co., Syracuse, N. Y. "Stearns Ecsco"
Syracuse Stamping Co., Inc., Syracuse, N. Y. "Syraco"
Taylor (Jas. L.) Mfg. Co., Poughkeepsie, N. Y.

CLAMPS, Toolmakers'

Armstrong Bros. Tool Co., 300 N. Francisco Av., Chicago, Ill.
Brown & Sharpe Mfg. Co., Providence, R. I.
Cincinnati Tool Co., Montgomery Rd., Cincinnati, O.
Lufkin Rule Co., Saginaw, Mich.
Starrett (L. S.) Co., Athol, Mass.

CLAMPS, Violin & Guitar

Barcy-Nicholson Co., Detroit, Mich. "Lightning Grip"
Bliss (R.) Mfg. Co., Pawtucket, R. I.

CLAMPS, Woodworkers'

Adjustable Clamp Co., 411 N. Ashland Av., Chicago, Ill. "Holman," "Jorgensen," (Steel Spindle), "Little Giant," "Mark," "Peerless," "Pony"
Batavia Clamp Co., Batavia, N. Y. "Colts"
Billings & Spencer Co., Hartford, Conn.
Bliss (R.) Mfg. Co., Pawtucket, R. I.
Black Bros. Co., Inc., Mendota, Ill.
Chapin-Stephens Co., Pine Meadow, Conn. "C.-S. Co."
Cincinnati Tool Co., Montgomery Rd., Cincinnati, O. "Hargrave"
Dann Bros. & Co., New Haven, Conn.
Dayton Malleable Iron Co., Dayton, O.
Eberhard Mfg. Co., 2790 Tennyson Rd., Cleveland, O.
Narragansett Mach. Co., Providence, R. I.
Palmer (A. E.) & Sons, Owosso, Mich.
Phoenix Hdw. Mfg. Co., Buffalo, N. Y.

CLAMPS, Woodworkers' (Continued)

Starrett (L. S.) Co., Athol, Mass.
Stearns (E. C.) & Co., Syracuse, N. Y. "Stearns Ecsco"
Taylor (James L.) Mfg. Co., Poughkeepsie, N. Y.
Williams (J. H.) & Co., Buffalo, N. Y.
Woodruff (Walter W.) & Sons Co., Mount Carmel, Conn. "Eagle," "Mount Carmel"

CLASPS, Pail

Acme Steel Co., Chicago, Ill.
Consolidated Steel Strapping Co., Chicago, Ill. "Apex"
Holland Mfg. Co., Baltimore, Md.
Penn Tack Co., Norristown, Pa.

CLAW BARS—See Bars, Crow

CLAW HAMMERS—See Hammers, Nail

CLAWS, Coal

Wrightsville Hdw. Co., Wrightsville, Pa.

CLAWS and GRABS, Nail

Hess (Chas.) Co., 49-14 Metropolitan Av., B'klyn, N. Y.

CLAWS and PULLERS, Tack

Arcade Mfg. Co., Freeport, Ill.
Bonney Forge & Tool Wks., Allentown, Pa.
Bullock Mfg. Associates, Div., Parker Wire Goods Co., Worcester, Mass.
C-K-R Company, Cleveland, O.
Chantrell Hdw. & Tool Co., Reading, Pa.
Chapin-Stephens Co., Pine Meadows, Conn. "Elmore"
Ellis Mfg. Co., Milldale, Conn.
Forbes (Benj. P.) Co., Cleveland, O.
Grey Iron Casting Co., Mt. Joy, Pa.
Hood Bros., Phila., Pa.
Johnson (William), Inc., 36 Brenner, Newark, N. J.
Kilborn & Bishop Co., New Haven, Conn. "Green Line"
Kraeuter & Co., 575 18th Av., Newark, N. J.
Nolund (O. A.) Co., Williamsport, Pa.
Osborne (C. S.) & Co., Box 183, Newark, N. J.
Parker Wire Goods Co., Worcester, Mass.
P. M. C. Mfg. Corp., Kingston, N. Y. "Jiffy," "Star"
Sargent & Co., New Haven, Conn.
Sayre (L. A.) Co., 332 Mulberry, Newark, N. J.
Stanley Wks., New Britain, Conn. "Stanley-Atha"
Stortz (John) & Son, Phila., Pa.
Turner & Deegan, Bristol, Conn. "Little Gem"
United States Cutlery Co., Belleville, N. J.
Washburn Company, Worcester, Mass.
White (Ira F.) & Son Co., Bloomfield, N. J.
Williams (A. C.) Co., Ravenna, O.

CLAY BIRDS—See Pigeons, Clay

CLAY TARGETS—See Targets, Clay

CLAY, Stove

American Fire Clay and Products Co., Cleveland, O.
Colebrook's (N. H.) Sons, Syracuse, N. Y.
General Refractories Co., Phila., Pa.
Johns-Manville Corp., Madison Av. & 41st, New York, N. Y.
Norristown Asbestos Mfg. Co., Boston, Mass. "Mecco"
Rutland Fire Clay Co., Rutland, Vt.
Union Mining Co., Baltimore, Md.
Williams Stove Lining Co., Taunton, Mass. "Eagle"
Yoder, S. H., Reading, Pa.

CLAY PIGEONS—See Pigeons, Clay

CLEANERS, Aluminum

Absorene Mfg. Co., St. Louis, Mo. "HRH"
American Steel Wool Co., 9 Desbrosses, New York, N. Y. "Abrazo," "Ideal"
Brillo Mfg. Co., 205 Water, Bklyn., N. Y.
Metal Sponge Sales Corp., Phila., Pa. "Gottschalk"
Metal Textile Corp., Orange, N. J. "Chore Boy," "Chore Girl"
Samoline Corp., Chicago, Ill.
S. O. S. Co., Chicago, Ill.
Whiskette Mfg. Co., Terre Hill, Pa.

CLEANERS, Carpet and Rug

Absorene Mfg. Co., St. Louis, Mo. "HRH"
American Lacquer Solvents Co., Norristown, Pa. "Solvex"
Flash Chemical Co., Cambridge, Mass. "Cafo-Cear"
Pollyanna Products Co., Inc., Cincinnati, O.
Skour-Nu, Inc., 158 W. 22nd, New York, N. Y.
Thompson Specialties, Inc., Springfield, Mass. "Tip-Top"
Wynn Products Co., Sterling, Ill.

CLEANERS, Closet Bowl

Boyer Chemical Laboratory Co., Inc., Chicago, Ill. "3 B"
Chamberlain Co., Pittsburgh, Pa. "Kloset-Klean"
Chamberlain-Haber Chemical Co., Cleveland, O. "Presto"
Cooper Sanitary Mfg. Co., Phila., Pa. "3-C"
Economy Plumber Co., 332 Canal, New York, N. Y.
Hercules Chemical Co., Inc., 332 Canal, New York, N. Y.
Hygienic Products Co., Canton, O. "Sani-Flush"
Jamieson (C. E.) & Co., Detroit, Mich. "Klemmins"
Metal Textile Corp., Orange, N. J. "Chore Wand"
Midway Chemical Co., Chicago, Ill.

CLEANERS, COMPOUNDS, Window—See Compounds, Window Cleaning

CLEANERS, Drain Pipe and Trap

Acme Oil Wks., Phila., Pa. "Pypo"
Babbitt, B. T., 386 Fourth Av., New York, N. Y. "Red Devil"
Blue Seal Chemical Co., Roselle, N. J.
Boyer Chemical Laboratory Co., Inc., Chicago, Ill. "3 B"
Chamberlain Co., Pittsburgh, Pa. "Desolvo," "No-Fume"
Chamberlain Haber Chemical Co., Cleveland, O. "Presto"
Chemical Toilet Corp., Syracuse, N. Y. "Red Imp," "San".
Cremoline Co., Inc., St. Louis, Mo.
Dolge (C. B.) Co., Westport, Conn. "Tink"
Drackett Chemical Co., Cincinnati, O. "Drano"
Economy Plumber Co., 332 Canal, New York, N. Y.
Hercules Chemical Co., Inc., 332 Canal, New York, N. Y.
House (Chas. F.) Mfg. Co., Inc., Omaha, Neb.
Midway Chemical Co., Chicago, Ill.
Miller (Robert E.) Inc., 35 Pearl, New York, N. Y. "Remco Three-in-One"
Pittsburgh Utilities, Inc., 11 W. 42nd, New York, N. Y.
Silvers Mfg. Co., Waterloo, Ia. "Air Shot"
West Disinfecting Co., 16 Barn, Long Island City, N. Y. "Klen-zo"

CLEANERS, Drain, Tile

Iwan Bros., South Bend, Ind. "Champion"
Seymour Mfg. Co., Inc., Seymour, Ind.

CLEANERS, DRY—See Compounds, Dry Cleaning

CLEANERS, File

Cincinnati Tool Co., Montgomery Rd., Cincinnati, O. "Hargrave"
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Knudson, E. C., Chicago, Ill. "Colton's"
Lutz File & Tool Co., Cincinnati, O.
Nicholson File Co., Providence, R. I. "Nicholson" (cards and brushes)
Phoenix Hdw. Mfg. Co., Buffalo, N. Y.
Tragle Mfg. Co., Inc., Reading, Pa. "I X L"
Troy File Works, Troy, N. Y. "Troy-Best"
Watson-Williams Mfg. Co., Leicester, Mass.

CLEANERS, Floor Device

Embro Mfg. Co., Canton, O.

CLEANERS, Floor, Hardwood

Absorene Mfg. Co., St. Louis, Mo. "Zev"
Ambassador Specialties, Inc., Detroit, Mich. "Heart of Quality"
Dormeyer (A. F.) Mfg. Co., Chicago, Ill. "Superior"
Quality Mfg. Co., Inc., Woburn, Mass.
Samoline Corp., Chicago, Ill.
Schalk Chemical Co., Los Angeles, Cal. "Double X"
Sheffield Bronze Powder & Stencil Co., Cleveland, O. "Three Star"
Socony-Vacuum Specialties, Inc., 26 B'way, New York, N. Y.
Thompson Specialties, Inc., Springfield, Mass. "Tip-Top"

CLEANERS, Gun

(See also Brushes, Firearms; also Rods, Cleaning, Gun and Rifle)

Chamberlain Cartridge & Target Co., Cleveland, O.
Hooker Mfg. Co., Hartford, Conn. "Flexifold"
Hoppe (Frank A.), Inc., 2314-H N. 8th, Phila., Pa. "Nitro Powder Solvent No. 9"
Houghton (E. F.) & Co., Phila., Pa.
Iowa Wind Mill & Pump Co., Cedar Rapids, Ia.
Lefever Arms Co., Inc., Ithaca, N. Y.
Many-Use Oil Corp., Athol, Mass.
Marble Arms & Mfg. Co., Gladstone, Mich.
Middleton, Basil, Culver, Ind. "Solvol"
North Ridge Brush Co., Inc., Freeport, Ill.
Parker Wire Goods Co., Worcester, Mass.
Piqua Handle & Mfg. Co., Piqua, O.
Rogers Brush Wks., Chester, Conn.
Rupert, G. G., Decatur, Ill.
Union Hdw. Co., Torrington, Conn.
Winchester Repeating Arms Co., New Haven, Conn.
Wolf Co., Chambersburg, Pa.

CLEANERS, Linoleum

Absorene Mfg. Co., St. Louis, Mo. "HRH"
Boyle (A. S.) Co., Cincinnati, O. "Old English"
Felco Mfg. & Products Co., 2243 Washington Av., New York, N. Y. "Nu-Wax"
Pollyanna Products Co., Inc., Cincinnati, O.
Samoline Corp., Chicago, Ill.
Socony-Vacuum Specialties, Inc., 26 B'way, New York, N. Y.
Thompson Specialties, Inc., Springfield, Mass. "Tip-Top"

CLEANERS, Marble—See Cleaners, Porcelain, Tile and Marble

CLEANERS, Metal—See Polishes, Metal

CLEANERS, Paint Brush

Absorene Mfg. Co., St. Louis, Mo. "Zev"
Ambassador Specialties, Inc., Detroit, Mich. "Heart of Quality"
Boyer Chemical Laboratory Co., Chicago, Ill.
Brush-Nu Co., Baltimore, Md.
Day-Kingsley Dryer Co., Cleveland, O. "Long Life"
Midway Chemical Co., Chicago, Ill. "Radiant"
Norristown Asbestos Mfg. Co., Boston, Mass. "Mecco"
Savogran Co., Boston, Mass.
Schalk Chemical Co., Los Angeles, Cal. "Savabrush"
Sheffield Bronze Powder & Stencil Co., Cleveland, O. "Kleen-A-Brush"
Sherwin-Williams Co., Cleveland, O.
Thompson Specialties, Inc., Springfield, Mass. "Tip-Top"
Whiting-Adams Co., Boston, Mass. "Whi-Tad"
Wilson-Imperial Co., 115 Chestnut, Newark, N. J. "Imperial"
Wooster Brush Co., Wooster, O.

CLEANERS, Paint and Varnish

Absorene Mfg. Co., St. Louis, Mo. "HRH"
Claire Mfg. Co., Chicago, Ill. "Jinx"
Cleveland Cleaner & Paste Co., Cleveland, O.
Patent Cereals Co., Geneva, N. Y. "Dic-a-doo"
Pittsburgh Utilities, Inc., 11 W. 42nd, New York, N.Y.
Samoline Corp., Chicago, Ill.
Savogran Co., Boston, Mass.
Schalk Chemical Co., Los Angeles, Cal. "Doublex"
Thompson Specialties, Inc., Springfield, Mass. "Tip-Top"

CLEANERS, Pipe Tools—See Augers, Closet

CLEANERS, Pistol

Johnson's (Iver) Arms & Cycle Wks., Fitchburg, Mass.

CLEANERS, Porcelain, Tile and Marble

Absorene Mfg. Co., St. Louis, Mo. "HRH"
American Rubbing Stone Co., Cincinnati, O. "Stylks"
Babbitt, B. T., 386 Fourth Av., New York, N. Y. "Red Devil"
Blue Seal Chemical Co., Roseville, N. J. "De-Luxe"
Cassetty Oil & Grease Co., Nashville, Tenn. "Hancock"
Chamberlain Co., Pittsburgh, Pa. "Tubola"
Chamberlain-Haber Chemical Co., Cleveland, O. "Presto"
Copper-Sanitary Mfg. Co., Phila., Pa. "Kleenatub"
Dolge (C. B.) Co., Westport, Conn. "Tile Brite"
Economy Plumber Co., 332 Canal, New York, N. Y.
Grady Mfg. Co., 250 Ely Av., Long Island City, N. Y. "Grad A"
Hercules Chemical Co., Inc., 332 Canal, New York, N. Y.
Pollyanna Products Co., Inc., Cincinnati, O.
Samoline Corp., Chicago, Ill. "National"
Solarine Co., 561 W. 33d, New York, N. Y.

CLEANERS, Pot

Auburn Specialties Co., Auburn, New York
Brillo Mfg. Co., 205 Water, Bklyn., N. Y.
Cudahy Packing Co., Chicago, Ill. "Old Dutch"
Hamblin & Russell Mfg. Co., Worcester, Mass. "Queen"
Metal Sponge Sales Corp., Phila., Pa. "Gottschalk," "Jewel"
Metal Textile Corp., Orange, N. J. "Chore Boy," "Chore Dad," "Chore Girl," "Mystic Marvel," "Mystic Miracle," "Mystic Mop"
Montgomery Co., Windsor Locks, Conn. "Kwik-Scour"
Pocono Metal Mfg. Co., East Stroudsburg, Pa.
Samoline Corp., Chicago, Ill.
S. O. S. Company, Chicago, Ill.
Washburn Company, Worcester, Mass. "Natwire"
Whiskette Mfg. Co., Terre Hill, Pa. (Steel Wool)

CLEANERS, Revolver—See Cleaners, Pistol

CLEANERS, Shoe

Dennehy Bros., Brockton, Mass.
Fate-Root-Heath Co., 1333 High, Plymouth, O. "Universal"
Metal Bound Brush & Broom Co., Cincinnati, O. "No-Trax"
St. Louis Rubber Cement Co., Inc., St. Louis, Mo. "Red X"
Wynn Products Co., Sterling, Ill.

CLEANERS, Sidewalk
(See also Pushers, Snow)

American Fork & Hoe Co., Cleveland, O. "Truetemper"
American Logging Tool Co., Evart, Mich.
Ames, Baldwin, Wyoming Shovel Co., Parkersburg, W. Va.
B. B. Specialty Co., Minneapolis, Minn. "Perfection"
C-K-R Company, Cleveland, O. "Cronk," "Little Giant"
Columbus Handle & Tool Corp. Works of the National Handle Co., Columbus, Ind.
Cyclone Mfg. Co., Urbana, Ind. "Handy-Andy"
Ely Mfg. Co., Girard, Pa.
Hall Mfg. Co., Cedar Rapids, Ia.
Hudson (H. D.) Mfg. Co., Chicago, Ill.
Iwan Bros., South Bend, Ind.
Johnson Gas Appliance Co., Cedar Rapids, Ia. "Si-Clone"
Rugg Mfg. Co., Greenfield, Mass. (Also Children's)
Seymour Mfg. Co., Seymour, Ind.
Staatsburg Ice Tool Works, Staatsburg-on-the-Hudson, N. Y.
Union Fork & Hoe Co., Columbus, O.
White (L. & I. J.) Co., Division of the Simonds-Worden-White Co., Dayton, O.
Wirt & Knox Mfg. Co., Phila., Pa. "Lightning"

CLEANERS, Sink

Absorene Mfg. Co., St. Louis, Mo. "HRH"
Brillo Mfg. Co., 205 Water, Bklyn., N. Y.
Cudahy Packing Co., Chicago, Ill. "Old Dutch"
Home Utilities Mfg. Co., 25 Church, New York, N. Y. "Sanisink"
Metal Sponge Sales Corp., Phila., Pa. "Jewel," "Gottschalk"
Metal Textile Corp., Orange, N. J. "Chore Boy," "Chore Girl"
Montgomery Co., Windsor Locks, Conn. "Kwik-Scour"
National Enameling & Stamping Co., Milwaukee, Wis.
New York Stamping Co., N. 11th & Berry Sts., Bklyn., N. Y. "Magic"
Osborn Mfg. Co., Cleveland, O.
Samoline Corp., Chicago, Ill.
S. O. S. Company, Chicago, Ill.
Washburn Company, Worcester, Mass.

CLEANERS, Tile—See Cleaners, Porcelain, Tile and Marble

CLEANERS, Trap—See Cleaners, Drain Pipe and Trap

CLEANERS, Vacuum, Electric

Air-Way Electric Appliance Corp., Toledo, O.
Allen Air Appliance Co., Inc., 452 Lexington Av., New York, N. Y. "Tabco"
Apex Electrical Mfg. Co., Cleveland, O.
Arco Vacuum Corp., Div. of American Radiator Co., 40 W. 40th, New York, N. Y. "Arco-Ette"
Atwood-Stewart Vacuum Machine Co., Chicago, Ill.
Birtman Electric Co., Chicago, Ill. "Bee-Vac," "Chief," "DeLuxe," "Bee-Vac-Junior," "Junior Motor Brush," "Motor Brush"
Clark (A. A.) Co., Muskegon, Mich.
Clements Mfg. Co., Chicago, Ill. "Big Ben," "Cadillac," "Jewel," "Little Ben," "Reliable"
Delco Appliance Corp., Rochester, N. Y.
Duntley Products Co., 62 W. 56th, New York, N. Y. "Twin Pump"
Eclipse Machine Co., Sidney, O.
Electare Co., Chicago, Ill.
Electrolux, Inc., 500 5th Av., New York, N. Y.
Eureka Vacuum Cleaner Co., Detroit, Mich. "Deluxe," "Junior," "Special," "Standard"
Federal Electric Co., Chicago, Ill. "Fedelco"
Fitzgerald Mfg. Co., Torrington, Conn. "Star-Rite"
Geier (P. A.) Co., Cleveland, O. "Regel," "Royal-Princess," "Royal - Purifier," "Royal - Special," "Royal Utility," "Super-Royal"
General Electric Co., Bridgeport, Conn. "Hot-Point"
Gilbert (A. C.) Co., New Haven, Conn. "Polar Cub"
Graybar Electric Co., 420 Lexington Av., New York, N. Y.
Hamilton Beach Mfg. Co., Racine, Wis. "Goldstar," "Straightair"
Health-Mor Sanitation Systems, Inc., Chicago, Ill.
Hoover Co., North Canton, O.
Hurley Machine Co., Chicago, Ill. "Thor"
Invincible Vacuum Cleaner Mfg. Co., Dover, O.
Johnson Motor Products Co., Chicago, Ill. "Port-o-Vac"
Landers, Frary & Clark, New Britain, Conn. "Universal," "Universal Deluxe," "Universal Super"
Morrow Co., Inc., Waukegan, Ill.
National Stamping & Electric Wks., Chicago, Ill. "White Cross"
National Super Service Co., Toledo, O. "Super Service"
Ponsell Floor Machine Co., 220 W. 19th, New York, N. Y.
Premier Vacuum Cleaner Co., Cleveland, O. "Duplex," "Junior," "Pic-Up," "Vulcan"
Regina Corp., Rahway, N. J. "Aristocrat," "Crusader"
Scott & Fetzer Co., Cleveland, O. "Vacuette"
Spencer Turbine Co., Hartford, Conn.
Standard Vacuum Cleaner Co., Cleveland, O. "Keystone," "Sani-Em-Tor"
Sturtevant (B. F.) Co., Hyde Park, Boston, Mass.
Sweeper-Vac Company, Worcester, Mass. "De Luxe," "Standard"
United Electric Co., Canton, O. "Ohio-Tuec," "Tuec Sanitator," "Unelco"
United States Electrical Tool Co., Cincinnati, O. (Combination Dust Blower)
Voss Bros. Mfg. Co., Davenport, Ia. "Hadette"
Westinghouse Elec. & Mfg. Co., Mansfield, O. "Dust Cleaner," "Silver Special"
Wise-McClung Co., New Philadelphia, O. "America," "Aladdin," "Sunshine"

CLEANERS, Vacuum, Hand
(See also Sweepers, Carpet)

Arco Vacuum Corp., Div of American Radiator Co., 40 W. 40th, New York, N. Y.
Birtman Electric Co., Chicago, Ill. "Bee-Vac"
Delco Appliance Corp., Rochester, N. Y. "Hand-Y Vacumatic"
Electare Co., Evanston, Ill.
Eureka Vacuum Cleaner Co., Detroit, Mich. "Auto Cleaner," "Junior"
Federal Electric Co., Chicago, Ill. "Fedelco, Jr."
Fitzgerald Mfg. Co., Torrington, Conn. "Star-Rite"
Geier (P. A.) Co., Cleveland, O. "Royalette"
General Electric Co., Bridgeport, Conn. "Hotpoint"
Hamilton Beach Mfg. Co., Racine, Wis.
Hoover Co., North Canton, O. "Dustette"
Hudson (H. D.) Mfg. Co., Chicago, Ill. "Moto-Air"
Landers, Frary & Clark, New Britain, Conn. "Handvac" (with Deodorizer Attachment)
Metal Specialties Mfg. Co., Chicago, Ill. "Presto Junior"
O. K. Machine Co., Ft. Wayne, Ind. "Auto-Valet," "Wayne, Jr.," "Wayne, Sr."
Premier Vacuum Cleaner Co., Cleveland, O. "Pic-Up," "Spic Span"
Scott & Fetzer Co., Cleveland, O. "Vacuette"
Standard Vacuum Cleaner Co., Cleveland, O. "Radio"
Sweeper-Vac Co., Worcester, Mass. "Handette"
Westinghouse Elec. & Mfg. Co., Mansfield, O. "Dust Cleaner," "Hand-Vac"
Whisk-Brush Vacuum Machine Co., 39 W. 19th, New York, N. Y.
Wise-McClung Corp., New Phila., O. "Sunshine, Jr.," "Sunshine Duster"

CLEANERS, Vacuum, Hand, Toy

LaVelle Mfg. Co., New Haven, Conn. "Polar Cub"
United Electrical Mfg. Co., Adrian, Mich.
Wolverine Sup. & Mfg. Co., Pittsburgh, Pa. "Sandy Andy"

CLEANERS, Varnish — See Cleaners, Paint and Varnish

CLEANERS, Wall Paper

Absorene Mfg. Co., St. Louis, Mo.
Auburn Rubber Co., Auburn, Ind. "Absorbo Wall Kleener," "Eze-Kleen," "Modern," "Nu-Way," "Presto" (Sponge)
Cleveland Cleaner & Paste Co., Cleveland, O.
Climax Cleaner Mfg. Co., Cleveland, O.
Commercial Paste Co., Columbus, O. "Rex"
Midway Chemical Co., Chicago, Ill.
Narco Co., Chicago, Ill. (Sponge)
N. & R. Specialty Co., Chicago, Ill. (Sponge)
Nu-Dell Products Co., Chicago, Ill. (Rubber & Felt)
Rubbersan Products, Inc., 251 W. 19th, New York, N. Y. "Nap-Brush"
Samoline Corp., Chicago, Ill.
Sheffield Bronze Powder & Stencil Co., Cleveland, O.
Sponge Rubber Products Co., Derby, Conn. "Klenal"

CLEANERS, Waste Pipe—See Cleaners, Urinal and Waste Pipe

CLEANERS, Wick

Perfection Stove Co., Inc., 7609 Platt Av., Cleveland, O.

CLEANERS, Window

Advance Metal Specialties Mfg. Co., Chicago, Ill.
Ajax Tool Co., 130 Lafayette, New York, N. Y.
American Standard Mfg. Co., Chicago, Ill.
Cellucraft Co., Chicago, Ill. "C Clear"
Dennis (W. J.) & Co., Chicago, Ill. "Red-Head"
Dormeyer (A. F.) Mfg. Co., Chicago, Ill. "Golden Queen," "Superior"
Gordon Mfg. Co., 110 E. 23d, New York, N. Y. "Master" (Combination)
Kautenberg (W E.) Co., Inc., Freeport, Ill.
Marvel Window Cleaner, Inc, Cleveland, O. (Combination)
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
Osborn Mfg. Co., Cleveland, O. "Professional," "Spider," "Sure Clean"
Phoenix Hdw Mfg. Co., Buffalo, N. Y.
Smith (F. H.) Mfg. Co., Chicago, Ill. "Common Sense," "O K."

CLEANING COMPOUNDS—See Compounds, Cleaning

CLEANING COMPOUNDS, WINDOW—See Compounds, Window Cleaning

CLEANING FLUIDS—See Compounds, Cleaning

CLEANING MACHINERY, CARPET—See Machinery, Carpet Cleaning

CLEANING PAPER—See Paper Household, Cleaning

CLEANING RODS—See Rods, Cleaning, Guns and Rifle

CLEANOUT DOORS—See Doors, Cleanout

CLEATS, Electricians'—See Cleats, Wiring

CLEATS, Rope

Eberhard Mfg. Co., 2790 Tennyson Rd., Cleveland, O.
Malleable Iron Fittings Co., Branford, Conn. "M. I. F. Co."
Parker Wire Goods Co., Worcester, Mass.
Pratt (Wm. E.) Mfg. Co., Chicago, Ill.
Wilcox, Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.

CLEATS, Wiring

Blake Signal & Mfg. Co., Boston, Mass.
Bonney Forge & Tool Wks., Allentown, Pa.
Bryant Electric Co., Bridgeport, Conn.
Circle F. Mfg. Co., Trenton, N. J.
Harvard Electric Co., Chicago, Ill.

CLEAVERS

American Knife Co., Baldwinsville, N. Y.
Briddell, Chas. D., Crisfield, Md.
Buffalo Knife Co., Inc., Buffalo, N. Y.
Chatillon (John) & Sons, 85 Cliff, New York, N. Y. "Foster Bros."
Clyde Cutlery Co., Clyde, O.
Collins Co., Collinsville, Conn. "Legitimus"
Damascus Steel Products Corp., Rockford, Ill. "Dasco"
Evansville Tool Wks., Inc., Evansville, Ind. "Tested"
Harrington Cutlery Co., Southbridge, Mass.
Henckels (J. A.) Inc., 456 4th Av., New York, N. Y. "Twin Brand," "Welkut"
Kinnell, Philip H., Columbus, O.
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass. "Anchor"
Landers, Frary & Clark, New Britain, Conn. "Universal"
Mack Tool Co., Inc., East Rochester, N. Y. "D. R. Barton"
Mechanics Tool & Wrench Co., Greenfield, Mass. "Nichols Bros."
Ohlen-Bishop Co., Columbus, O.
Old File Cutlery Co., Havana, Ill.
Ontario Knife Co., Franklinville, N. Y. "Tru-Edge"
Parker Wire Goods Co., Worcester, Mass.
Savory, Inc., 591 Ferry, Newark, N. J.
Village Blacksmith Folks, Watertown, Wis.
Washburn Company, Worcester, Mass.
White (L. & I. J.) Co., Division of the Simonds-Worden-White Co., Dayton, O.

CLEAVERS, Meat—See Cleavers

CLEVIS PINS—See Pins, Clevis

CLEVISES, Plow

Badger Malleable & Mfg. Co., South Milwaukee, Wis.
Clapp (E. D.) Mfg. Co., Auburn, N. Y.
Dexter Co., Fairfield, Ia.
Diamond Calk & Horseshoe Co., 4622 Grand Av., Duluth, Minn.
Eberhard Mfg. Co., 2790 Tennyson Rd., Cleveland, O.
Empire Plow Co., Cleveland, O.
Franklin Equipment Co., Monticello, Ia.
Harvey Spring & Forging Co., Racine, Wis.
Haven Malleable Castings Co., Cincinnati, O.
Herschel (R.) Mfg. Co., Peoria, Ill.
Illinois Malleable Iron Co., Chicago, Ill.
Moore Plow & Implement Co., Greenville, Mich.
Pratt (Wm. E.) Mfg. Co., Chicago, Ill.
Towers & Sullivan Mfg. Co., Rome, Ga.
Union Malleable Iron Co., East Moline, Ill.

CLEVISES, Wagon

Bridgeport Chain & Mfg. Co., Bridgeport, Conn.
Clapp (E. D.) Mfg. Co., Auburn, N. Y.
Cleveland Hdw. Co., Cleveland, O.
Eberhard Mfg. Co., 2790 Tennyson Rd., Cleveland, O.
Franklin Equipment Co., Monticello, Ia.
Hall Mfg. Co., Cedar Rapids, Ia.
Illinois Malleable Iron Co., Chicago, Ill.
Oliver Iron & Steel Co., Pittsburgh, Pa.

CLIMBERS, Linemen's

Blakeslee Forging Co., Plantsville, Conn. "Donnelly"
Buckingham, W. H., Binghamton, N. Y. "Stephens"
Cincinnati Tool Co., Montgomery Rd., Cincinnati, O. "Hargrave"
Columbus Handle & Tool Corp. Works of the National Handle Co., Columbus, Ind.
Crescent Tool Co., Jamestown, N. Y. "Red Devil"
Dicke Tool Co., Downers Grove, Ill.
Klein (Mathias) & Sons, 3200 Belmont Av., Chicago, Ill.

CLINCH RIVETS—See Rivets, Tubular and Clinch

CLINKER TONGS—See Tongs, Clinker

CLIPPERS, Bolt and Rivet

Belden Machine Co., New Haven, Conn. "Super"
Carolus Mfg. Co., Sterling, Ill.
Champion-De Arment Tool Co., Meadville, Pa.
Forged Steel Products Co., Newport, Pa. "Vacuum Grip"
Helwig Mfg. Co., St. Paul, Minn.
Manco Mfg. Co., Bradley, Ill. "Manco-Master"
Porter, H. K., Inc., Everett, Mass. "Allen-Randall," "Bull Dog," "Easy," "Hypowa," "New Easy," "No. 12 (1885)," "O. K.," "Special"
Roberts Mfg. Co., Everett, Mass. "Victor"
Schollhorn (Wm.) Co., New Haven, Conn. "Elm City"

CLIPPERS, Finger Nail

Cook (H. C.) Co., Ansonia, Conn. "Ansonia," "Gem," "Gem Jr."
Hart (H. C.) Mfg. Co., Unionville, Conn.
Klip-Klip Co., Rochester, N. Y.

CLIPPERS, Fruit, Flowers, etc.—See Shears, Pruning

CLIPPERS, Hair

Allover Mfg. Co., Racine, Wis. "Ace," "Adjustable," "Allover," "Allover Jr.," "Belle City," "Dandy," "Excel"
American Shearer Mfg. Co., Nashua, N. H. "Boudoir," "Cadet," "Columbian," "Comfort," "Expert," "Express," "Full Back," "Junior," "La Mode," "Martlet," "Perfection," "Professional," "Shaver," "Speed," "Standard," "Swift," "Tiger," "Valencia," "Wide Awake"
Belle City Appliance Co., Racine, Wis.
Boker (H.) & Co., 101 Duane, New York, N. Y. "Juno"
Brown & Sharpe Mfg. Co., Providence, R. I. "B & S," "Bressant," "Figaro," "Narrow Clip"
Cattaraugus Cutlery Co., Little Valley, N. Y.
Chicago Flexible Shaft Co., Chicago, Ill. "A-1 Toilet," "American Gentlemen"
Clauss Shear Co., Fremont, O.
Coates Clipper & Mfg. Co., Worcester, Mass. "Bancroft," "Bay State," "Bobbette," "Capitol," "Khedive," "Left Hand," "Liberty," "Pilgrim," "Success," "Triumph," "Victor"
Geier (P. A.) Co., Cleveland, O.
Orange Valley Cutlery Co., 156 Leslie, Newark, N. J.
Oster (John) Mfg. Co., Racine, Wis. "Oster A," "Oster B," "Oster C," "Oster D," "Oster E," "Oster F," "Oster R," "Oster S," "Oster Special 0000," "President"

CLIPPERS, Hair, Electric

Allover Mfg. Co., Racine, Wis. "Majestic," "Universal"
Belle City Appliance Co., Racine, Wis.
Oster (John) Mfg. Co., Racine, Wis.
Racine Universal Motor Co., Racine, Wis. "Nu Race"
Wahl Clipper Corp., Sterling, Ill.

CLIPPERS, Hand, Horse

American Shearer Mfg. Co., Nashua, N. H. "American Horse," "B. B. Herald," "Hunter," "Lenox," "New Market," "No. 64," "Polo," "Priest's"
Boker (H.) & Co., 101 Duane, New York, N. Y. "Man-o-War," "X. L. R. B."
Coates Clipper & Mfg. Co., Worcester, Mass.
Heinish (R.) Son Wks., 109 Bruce, Newark, N. J.

CLIPPERS, Horse—See Clipping Machines, Horse; also Clippers, Hand, Horse

CLIPPERS, Lawn—See Edgers and Trimmers, Lawn

CLIPPERS, Rivet—See Clippers, Bolt and Rivet

CLIPPING MACHINES, Cattle

American Shearer Mfg. Co., Nashua, N. H. "Priest's Nos. 7, 12, XX and 40"
Andis Clipper Co., Racine, Wis.
Chicago Flexible Shaft Co., Chicago, Ill. "Stewart"
Coates Clipper & Mfg. Co., Worcester, Mass.
Gillette Clipping Machine Co., Inc., Dept. A, 129 W. 31st, New York, N. Y.

CLIPPING MACHINES, Horse

American Shearer Mfg. Co., Nashua, N. H. "Priest's Nos. 7, 12, XX and 40"
Andis Clipper Co., Racine, Wis.
Chicago Flexible Shaft Co., Chicago, Ill. "Stewart"
Coates Clipper & Mfg. Co., Worcester, Mass.
Gillette Clipping Machine Co., Inc., Dept. A, 129 W. 31st, New York, N. Y.

CLIPPING MACHINES, Sheep

Chicago Flexible Shaft Co., Chicago, Ill.
Coates Clipper & Mfg. Co., Worcester, Mass.
Gillette Clipping Machine Co., Inc., Dept. A, 129 W. 31st, New York, N. Y.

CLIPS, Axle, Carriage and Wagon

Clapp (E. D.) Mfg. Co., Auburn, N. Y. "Bradley," "Concord"

CLIPS, BATTERY, RADIO—See Radio Clips, Battery

CLIPS, Damper, Stove Pipe

Adams Co., Dubuque, Ia.
Arcade Mfg. Co., Freeport, Ill.
Griswold Mfg. Co., Erie, Pa.
Hart & Cooley Mfg. Co., Chicago, Ill. "H&C," "Federal"
Howes (S. M.) Co., Boston, Mass. "Columbia," "Yankee"
Mueller (L. J.) Furnace Co., Milwaukee, Wis.
Stover Mfg. & Engine Co., Freeport, Ill.

CLIPS and FASTENERS, Paper

Automatic Pencil Sharpener Co., Chicago, Ill.
Collette Mfg. Co., Amsterdam, N. Y.
Cook (H. C.) Co., Ansonia, Conn. "Bull Dog," "Burro," "Vise"
Dennison Mfg. Co., Framingham, Mass. (Fasteners)
Garrison-Wagner Co., St. Louis, Mo.
Gem Stopper Co., Phila., Pa.
Grey Iron Casting Co., Mt. Joy, Pa.
Hoge Mfg. Co., Inc., 23 E. 21st, New York, N. Y.
Moore Push Pin Co., 113-125 Berkley, Phila., Pa.
U. S. Clothes Pin Co., Montpelier, Vt.
Vaughan Novelty Mfg. Co., Chicago, Ill.

CLIPS, Paper—See Clips and Fasteners, Paper

CLIPS, Push

Justrite Mfg. Co., 2061 Southport Av., Chicago, Ill.

CLIPS, Saddle

Clapp (E. D.) Mfg. Co., Auburn, N. Y.

CLIPS, SHAVING BRUSH—See Holders, Shaving, Brush

CLIPS, Sleeper

Hess (Chas.) Co., 49-14 Metropolitan Av., Bklyn., N. Y.

CLIPS, Sleigh

Clapp (E. D.) Mfg. Co., Auburn, N. Y.

CLIPS, Spring

Clapp (E. D.) Mfg. Co., Auburn, N. Y.

CLIPS, Wire Rope, Drop Forged

American Hoist & Derrick Co., St. Paul, Minn.
American Steel & Wire Co., 208 S. LaSalle, Chicago, Ill. "Tiger"
Eureka Metal Products Co., North East, Pa.
Laughlin (Thos.) Co., Portland, Me.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Wilcox, Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.

CLIPS, Wire Rope, Malleable

American Cable Co., Inc., 230 Park Av., New York, N. Y.
Chicago Hardware & Fixture Co., Chicago, Ill.
Lamson & Sessions Co., Cleveland, O.
Marion Malleable Iron Co., Marion, O.
Mockbee (C. M.) Co., Cincinnati, O.
Ney Mfg. Co., Canton, O.
Parker Wire Goods Co., Worcester, Mass.
Republic Steel Corp., Upson Nut Div., Cleveland, O. "Climax"

CLOCK HANGER OUTLETS—See Outlets, Clock Hanger, Electric

CLOCKS, Alarm

Ansonia Clock Co., 12 E. 41st, New York, N. Y. "Squareclox"
Arlington Time Laboratories, Chicago, Ill. (Electric)
DeLuxe Clock & Mfg. Co., 1107 B'way, New York, N. Y. "Hollywood," "Lux Knight," "Lux Overlook," "Lux Repeater," "Lux Silvertone," "Lux Squire," "Lux Sunflower"
General Electric Co., Bridgeport, Conn.
Gilbert (Wm. L.) Clock Co., Winsted, Conn. "Fawn," "Fenway," "Fordyce," "Kenton," "Malvern" "Tornado," "Zenith" (Electric)
Hammond Clock Co., Chicago, Ill. "Logan," "Paris" (Electric)
Ingersoll-Waterbury Co., Waterbury, Conn. (Electric)
Ingraham (E.) Co., Bristol, Conn. "Ace," "Bristol," "Indian," "Pal," "Viceroy," "Victorian," "X-Ray"
Kodel Electric & Mfg. Co., Cincinnati, O. "Havalarm DeLuxe," "Royal Kenmore" (Electric)
Lux Clock Mfg. Co., Waterbury, Conn.
Miller (Irving) & Co., 1150 B'way, New York, N. Y. "Windmill"
New Haven Clock Co., New Haven, Conn. "Abbey Jr. Artalarm," "Signal Automatic," "Slumber Stopper," "Tat-Too," "Tat-Too, Jr.," "Tell-Tale," "Ti-Tan," "Tick-Tock," "Tidy-Tot," "Tiny-Tim," "Tip-Top," "Tom-Tom," "True Time Teller"
Sessions Clock Co., Forestville, Conn.
Stanford Products, Ltd., San Francisco, Cal. (Electric)
United States Electric Mfg. Co., 222 W. 14th, New York, N. Y.
Warren Telechron Co., Ashland, Mass. "Electrolarm,"
Western Clock Co., La Salle, Ill. "America," "Baby Ben," "Bantam," "Ben Hur," "Big Ben," "Sleep Meter" (also Electric)

CLOCKS, Banjo

Chicago Flexible Shaft Co., Chicago, Ill. "Mount Vernon" (Electric)
Gilbert (Wm. L.) Clock Co., Winsted, Conn. "Allendale," "Andover," "Carlyle," "Kincaid," "Randall" (Electric)
Ingersoll-Waterbury Co., Waterbury, Conn. (Electric)
New Haven Clock Co., New Haven, Conn. "Annapolis," "Antares," "Plymouth" (Electric)
Sangamo Clock Co., Thomaston, Conn. "Seaton" (Electric)
Sessions Clock Co., Forestville, Conn. "Eldorado" (Electric)
Warren Telechron Co., Ashland, Mass. "Madison" (Electric)

CLOCKS, Electric

Aerial Insulator Co., Green Bay, Wis. "Solar"
American Insulator Corp., New Freedom, Pa. "Aico"
Atlantic Clock Co., Boston, Mass.
Arlington Time Laboratories, Chicago, Ill.
Belmont Clock Co., Chicago, Ill.
Bond Electric Corp., 257 Cornelison Av., Jersey City, N. J.
Brach Electric Clock Corp., 55 Dickerson, Newark, N. J.
Chelsea Clock Co., Chelsea, Mass. "Claremont," "Georgian"
Chicago Flexible Shaft Co., Chicago, Ill. "Eternatime"
Clok-Trola Mfg. Co., Los Angeles, Cal.
Colonial Mfg. Co., Zeeland, Mich.
Continental Mfg. Co., 37 W. 23rd, New York, N. Y.
Crosley Radio Corp., Cincinnati, O.
Electric Clock Corp. of America, Chicago, Ill. "Lincoln," "Notifier," "Sunbeam"
Electrotime Mfg. Co., Chicago, Ill.
Eltime Clock Co., Toledo, O.
General Electric Co., Bridgeport, Conn.
Gilbert (Wm. L.) Clock Co., Winsted, Conn.
Hammond Clock Co., Chicago, Ill. "Gregory," "Logan," "Oakwood," "Sherwood"
Hanson Clock Co., Inc., Rockford, Ill.
Harvard Clock Co., Chicago, Ill.
Hoge Mfg. Co., 23 E. 21st, New York, N. Y.
Imperial Clock Corp., Highland, Ill.
Ingersoll-Waterbury Co., Waterbury, Conn. "Ambassador," "Mayflower," "Salisbury," "Watt"
Ingraham (E.) Co., Bristol, Conn.
Kodel Electric & Mfg. Co., Cincinnati, O. "Carolyn," "Colford," "Cordova," "Eleanor," "Georgiana," "Havlin"
Landis & Gyr Co., 104 5th Av., New York, N. Y.
Manning, Bowman & Co., Meriden, Conn.
Measured Time, Inc., La Porte, Ind. "Hawkeye Timer" (Cooking Clocks)
Miller (Irving) & Co., 1150 Bway, New York, N. Y. "Windmill"
Muter (Leslie F.) Co., Chicago, Ill.
New Haven Clock Co., New Haven, Conn. "Midget," "Montcalin," "Paragon," "Romance," "Saturn," "Vespers"
New Jersey Clock Co., 443 S. 10th, Newark, N. J.
Revere Clock Co., Cincinnati, O. "Hancock," "Plymouth," "Lynn," "Trinity"
Sangamo Clock Co., Thomaston, Conn. "Scarsdale," "Scottie," "Seldon," "Seymons," "Silverwood"
Sessions Clock Co., Forrestville, Conn. "Ella," "El Doric," "El Gothic," "El Mode"
Stanford Products, Ltd., San Francisco, Cal.. "Duokron," "Monokron"
United States Electric Mfg. Co., 222 W. 14th, New York, N. Y. "Lantema," "Mantela," "Sunsprite"
Victor Electric Products Co., Cincinnati, O. "Waverly," "Kenilworth"
Waltham Watch Co., Waltham, Mass.
Warren Telechron Co., Ashland, Mass. "Cathedral," "Diana," "Modernique," "Surrey"
Western Clock Co., La Salle, Ill.

CLOCKS, Furnace—See Clocks, Time Switch; also Regulators, Furnace

CLOCKS, Kitchen

Brach Electric Clock Corp., 55 Dickerson, Newark, N. J. (Electric)
Chicago Flexible Shaft Co., Chicago, Ill. (Electric)
Continental Mfg. Co., 37 W. 23rd, New York, N. Y.
Electric Clock Corp. of America, Chicago, Ill. "Garland," "New Lincoln" (Electric)
General Electric Co., Bridgeport, Conn. "Hostess"
Gilbert (Wm. L.) Clock Co., Winsted, Conn. "Fairbanks," "Kayford" (Electric)

CLOCKS, Kitchen (Continued)

Hammond Clock Co., Chicago, Ill.
Ingersoll-Waterbury Co., Waterbury, Conn. (Electric)
Ingraham (E.) Co., Bristol, Conn.
Kodel Electric & Mfg. Co., Cincinnati, O. "Betty Jane," "Royal Kenmore" (Electric)
Miller (Irving) & Co., 1150 Bway., New York, N. Y. "Windmill"
New Haven Clock Co., New Haven, Conn. "Palas," "Preston," "Wales" (Electric)
Sangamo Clock Co., Thomaston, Conn. "Severn" (Electric)
Sessions Clock Co., Forestville, Conn. "Alkit," (Electric)
United States Electric Mfg. Co., 222 W. 14th, New York, N. Y. "Wingdal" (Electric)
Victor Electric Products Co., Cincinnati, O. "Waverly" (Electric)
Warren Telechron Co., Ashland, Mass. "Hostess"

CLOCKS, Mantel

Brach Electric Clock Corp., 55 Dickerson, Newark, N. J. (Electric)
Electric Clock Corp. of America, Chicago, Ill.
General Electric Co., Bridgeport, Conn.
Gilbert (Wm. L.) Clock Co., Winsted, Conn. "Etna," "Evanston," "Idylwood," "LaBelle," "Meredith," "Roycroft," "Whitmore"
Hammond Clock Co., Chicago, Ill. (Electric)
Ingersoll-Waterbury, Co., Waterbury, Conn. (Electric)
Ingraham (E.) Co., Bristol, Conn.
Kodel Electric & Mfg. Co., Cincinntai, O. "Claremont," "Royal Kenmore" (Electric)
New Haven Clock Co., New Haven, Conn.
Revere Clock Co., Cincinnati, O.
Sangamo Clock Co., Thomaston, Conn. "Savoy," "Selkirk," "Sibley" (Electric)
Sessions Clock Co., Forestville, Conn.
United States Electric Mfg. Co., 222 W. 14th, New York, N. Y.
Victor Electric Products Co., Cincinnati, O. "Kenilworth" (Electric)
Warren Telechron Co., Ashland, Mass. "Lynnwood"

CLOCKS, Time Switch

Clok-Trola Mfg. Co., Los Angeles, Cal.
Tillery's Little Janitor Clock Co., 55 Orchard, Newark, N. J. "Little Janitor"
Tork Co., 12 E. 41st, New York, N. Y.

CLOSERS, Door—See Checks, Door

CLOSET AUGERS—See Augers, Closet

CLOSET BOWL CLEANERS—See Cleaners, Closet Bowl

CLOSET DOOR BRACKETS—See Brackets, Clothes, Closet Door

CLOSET, Door Loops

Parker Wire Goods Co., Worcester, Mass.

CLOSET SEAT BUMPERS, RUBBER—See Bumpers, Rubber, Closet Seat

CLOSET TANK COPPER FLOATS—See Floats, Closet Tank, Copper

CLOSET TOILET TANKS—See Tanks, Toilet, Closet

CLOSETS, Chemical—See Toilets, Chemical

CLOSETS, Hot—See Warmers, Plate

CLOSETS, Water

Camden Pottery Co., Camden, N. J.
Case (W. A.) & Son Mfg. Co., Buffalo, N. Y. "T/N"
Clow (James B.) & Son, Chicago, Ill.
Crane Co., Chicago, Ill.
Humphryes Mfg. Co., Mansfield, O. "Mirard"
Mott (J. L.) Iron Wks., 535 5th Av., New York, N. Y.
Peck Bros. & Co., New Haven, Conn.
Standard Sanitary Mfg. Co., Pittsburgh, Pa.
Trenton Potteries Co., Trenton, N. J.
Wolff Co., Chicago, Ill.

CLOTH, Abrasive—See Abrasives, Coated

CLOTH BOOKS, Children's—See Books, Children's

CLOTH DOLLS—See Dolls, Cloth or Rag

CLOTH, Enameled—See Oilcloth

CLOTH, Filter

Hooper (Wm. E.) & Sons Co., Phila., Pa. "Hooperwood"
Johnson & Johnson, Dairy Filter Prod. Div., New Brunswick, N. J. "J & J Red Cross," "Rapid Flo"
Newark Wire Cloth Co., 351 Verona Av., Newark, N. J. (Metallic)
Reeze & Mitchell Co., Phila., Pa. (Milk)
Sanitary Cotton Co., Chicago, Ill.
Schwartz Mfg. Co., Two Rivers, Wis. "Perfection"

CLOTH, Glass—See Glass Substitutes, Flexible

CLOTH, Hardware

American Wire Fabrics Corp., 41 E. 42nd, New York, N. Y.
Buffalo Wire Wks. Co., Buffalo, N. Y.
De Mattia Wire Wks., Inc., Southport, Conn.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Hanover Wire Cloth Co., Inc., Hanover, Pa.
Michigan Wire Cloth Co., Detroit, Mich.
Reynolds Wire Co., Dixon, Ill. "Sun-Red Edge"
Roeblings (John A.) Sons Co., Trenton, N. J. "Jersey"
Wickwire Bros., Cortland, N. Y.
Wickwire Spencer Steel Co., Inc., 41 E. 42nd, New York, N. Y.
Wright (G. F.) Steel & Wire Co., Worcester, Mass. "Superior"

CLOTH, Wire, Bee Veil

Clinton Wire Cloth Co. of Clinton, Ia., Clinton, Ia.

CLOTH, Wire, Black, Brass, Bronze, Copper, Galvanized, Etc.

Adams Manufacturing Co., Inc., 31 E. 32nd, New York, N. Y.
American Brass Co., Waterbury, Conn.
American Wire Fabrics Corp., 41 E. 42nd, New York, N. Y. "Galvanoid," "Gold Strand"
Audubon Wire Cloth Co., Audubon, N. J.
Badger Wire & Iron Wks., Milwaukee, Wis.
Buffalo Wire Wks., Co., Buffalo, N. Y.
Cambridge Wire Cloth Co., Cambridge, Md.
Chase Brass & Copper Co., Waterbury, Conn.
Cheney-Bigelow Wire Wks., Springfield, Mass.
Clendenin Bros., Inc., Baltimore, Md.
Cleveland Wire Cloth & Mfg. Co., Cleveland, O.
Clinton Wire Cloth Co. of Clinton, Ia., Clinton, Ia.
Cyclone Fence Co., Waukegan, Ill. "Red Tag"
Eastwood Wire Mfg. Co., Belleville, N. J. "Perfection"
Estey Wire Wks. Co., 34 Cliff, New York, N. Y.
Gilbert & Bennett Mfg. Co., Georgetown, Conn. "Pearl"
Gulf States Steel Co., Birmingham, Ala. "Gulfsteel"
Hanover Wire Cloth Co., Hanover, Pa. "Acme," "Apex," "Colonial," "Crescent," "Golden Rod," "Neptune," "Oriental," "Vulcan"
Heilig Bros., York, Pa.
Jelliff (C. O.) Mfg. Corp., Southport, Conn. "Meeker"
Jelliff (Geo. H.) & Son, New Canaan, Conn.
Keystone Wire Cloth Co., Hanover, Pa.
Meyers (Fred J.) Mfg. Co., Hamilton, O.
Michigan Wire Cloth Co., Detroit, Mich.
Newark Wire Cloth Co., 351 Verona Av., Newark, N. J.
New York Wire Cloth Co., 342 Madison Av., New York, N. Y. "Aldura" (Aluminum), "Liberty," "Opal," "York"
Pacific Wire Products Co., Los Angeles, Cal. "Durite," "Duro," "Duroid," "Tropicloth"
Pennsylvania Woven Wire Co., Lock Haven, Pa.
Reynolds Wire Co., Dixon, Ill. "Sun-Red Edge" (AluminA)
Roebling's (John A.) Sons Co., Trenton, N. J. "Adamant," "Diamond," "Jersey"
Rolock, Inc., Southport, Conn.
Sackett (H. B.) Screen & Chute Co., Chicago, Ill.
Spargo Wire Co., Rome, New York.
Tyler (W. S.) Co., Cleveland, O.
Wickwire Bros., Cortland, N. Y. "Cortland," "Gray-Wick"
Wickwire Spencer Steel Co., Inc., 41 E. 42d, New York, N. Y. "American," "Clinton," "Galvanoid," "Gold Strand,"
Wright (G. F.) Steel & Wire Co., Worcester, Mass. "Superior"

CLOTH, Wire, Bronze—See Cloth, Wire, Black, Brass, Bronze, Copper, Galvanized, Etc.

CLOTH, Wire, Copper—See Cloth, Wire, Black, Brass, Bronze, Copper, Galvanized, Etc.

CLOTH, Wire, Corn Popper

Clinton Wire Cloth Co. of Clinton, Ia., Clinton, Ia.

CLOTH, Wire, Fireplace Screen

Clinton Wire Cloth Co. of Clinton, Ia., Clinton, Ia.
Michigan Wire Cloth Co., Detroit, Mich.

CLOTH, Wire, Fly Swatter

Clinton Wire Cloth Co. of Clinton, Ia., Clinton, Ia.
Hanover Wire Cloth Co., Hanover, Pa.
Michigan Wire Cloth Co., Detroit, Mich.

CLOTH, Wire, Frying Basket

Clinton Wire Cloth Co. of Clinton, Ia., Clinton, Ia.

CLOTH, Wire, Horse Muzzle

Clinton Wire Cloth Co. of Clinton, Ia., Clinton, Ia.
Michigan Wire Cloth Co., Detroit, Mich.

CLOTH, Wire, Monel Metal

Audubon Wire Cloth Co., Audubon, N. J.
Cleveland Wire Cloth & Mfg. Co., Cleveland, O.
Hanover Wire Cloth Co., Hanover, Pa.
Michigan Wire Cloth Co., Detroit, Mich.
Wickwire Spencer Steel Co., Inc., 41 E. 42d, New York, N. Y.

CLOTH, Wire, Sifter and Strainer

Clinton Wire Cloth Co. of Clinton, Ia., Clinton, Ia.
Hanover Wire Cloth Co., Inc., Hanover, Pa.
Michigan Wire Cloth Co., Detroit, Mich.
Newark Wire Cloth Co., 351 Verona Av., Newark, N. J.
Wright (G. F.) Steel & Wire Co., Worcester, Mass. "Superior" (Riddle and Sand)

CLOTH, Wire Strainer—See Cloth, Wire Sifter and Strainer

CLOTHES BARS—See Bars, Clothes

CLOTHES BASKETS—See Baskets, Clothes

CLOTHES BRACKETS—See Brackets, Clothes

CLOTHES BRUSHES—See Brushes, Clothes

CLOTHES CHUTE DOORS—See Doors, Clothes Chute

CLOTHES CLOSET RODS—See Rods, Clothes Closet

CLOTHES DRYERS—See Dryers, Clothes

CLOTHES DRYERS, TOY—See Dryers, Clothes, Toy

CLOTHES DRYING CABINETS — See Dryers, Clothes, Gas or Electric

CLOTHES HAMPERS—See Hampers, Clothes

CLOTHES HANGERS—See Hangers, Garment

CLOTHES LINE FASTENERS — See Fasteners, Clothes Line

CLOTHES LINE HOLDERS—See Holders, Clothes Line

CLOTHES LINE HOOKS—See Hooks, Clothes Line

CLOTHES LINE POSTS—See Posts, Clothes Line

CLOTHES LINE PROPS—See Props, Clothes Line

CLOTHES LINE PULLEY LOCKS—See Locks, Pulley, Clothes Line

CLOTHES LINE PULLEYS—See Pulleys, Clothes Line

CLOTHES LINE REELS—See Reels, Line, Clothes

CLOTHES LINES—See Lines, Clothes

CLOTHES LOCKERS—See Lockers, Steel

CLOTHES PINS—See Pins, Clothes

CLOTHES PINS, Toy—See Sets, Laundry, Toy

CLOTHES POLES—See Poles, Clothes

CLOTHES SPRINKLERS—See Sprinklers, Clothes

CLOTHES WASHING MACHINES—See Washing Machines, Clothes

CLOTHES WRINGER BENCHES—See Benches, Wash Tub, Wringer, etc.

CLOTHES WRINGERS—See Wringers, Clothes

CLOTHING, Fishermen's

Dryback Corp., Binghamton, N. Y.
Eisner (Sigmund) Co., Red Bank, N. J.
Hodgman Rubber Co., Framingham, Mass.
Metropolitan Camp Goods Co., Athol, Mass.
Red Head Brand Co., Chicago, Ill.

CLOTHS, Dish

Howard Dustless Duster Co., South Boston, Mass.
Kalamazoo Vegetable Parchment Co., Kalamazoo, Mich. "Kup" (Paper)
Metal Sponge Sales Corp., Phila., Pa. "Gottschalk," "Magnetic"
Metal Textile Corp., Orange, N. J. "Chore Boy,"
Putnam Knitting Co., Cohoes, N. Y. "Handy Ann"
Quality Mfg. Co., Inc., Woburn, Mass. "Quality Antiseptic"
Ritzenthaler, John, 73 Franklin, New York, N. Y. "Ritz"
Ufford Textile Co., Norwich, Conn.
Yale Mystic Knitting Co., Malden, Mass.

CLOTHS, Dust

American Textile Products Co., East Cleveland, O. "No-Mar"
Brown Daisy Mop Co., Lowell, Mass.
Cactus Mfg. Co., Los Angeles, Cal. "Kaktus Kid"
Capital Knitting Co., Waterford, N. Y. "AerCel"
Devil Grip Mfg. Co., Hopkinsville, Ky.
Holden Knitting Co., Worcester, Mass. "Handymit"
Howard Dustless Duster Co., South Boston, Mass. "Dustless Duster"
Jordan, F., 134 Bank, New York, N. Y.
Kalamazoo Vegetable Parchment Co., Kalamazoo, Mich. "Kup" (Paper)
Kleen Hand Products Co., San Francisco, Cal.
Leighton Heel Co., Lewiston, Me. "Scram"
Liquid Veneer Corp., Buffalo, N. Y.
Midway Chemical Co., Chicago, Ill.
O-Cedar Corp., Chicago, Ill.
Pioneer Mfg. Co., Cleveland, O. "Shino"
Quality Mfg. Co., Inc., Woburn, Mass. "Quality Antiseptic"
Ritzenthaler (John), 73 Franklin, New York, N. Y. "Ritz"
Rubon Woodfinishing & Products Co., Kansas City, Mo. "Johnson"
Tate Mfg. Co., Boston, Mass.
U. S. Mfg. Co., Decatur, Ill. "Dust-Puff"
Wizard, Inc., Chicago, Ill.
Yale Mystic Knitting Co., Malden, Mass.

CLOTHS, Polishing

American Textile Products Co., East Cleveland, O. "No-Mar" (Metal)
Atco Co., Atlanta, Ga.
Auburn Specialties Co., Auburn, N. Y. "Blitz"
Becker, John D., Gettysburg, Pa.
Brown Daisy Mop Co., Lowell, Mass.
Cactus Mfg. Co., Los Angeles, Cal. "Kaktus Kid"
Capital Knitting Co., Waterford, N. Y. "AerCel"
Carborundum Co., Niagara Falls, N. Y.
Dearborn Mfg. Co., Chicago, Ill. (Auto)
Devil Grip Mfg. Co., Hopkinsville, Ill.
Flower City Specialty Co., 250 Mill, Rochester, N. Y. "Elcaro," "MonKlotH"
Gale (F. C.) & Co., Inc., Boston, Mass. "Polmet"
Gorham Co., 576 Fifth Av., New York, N. Y.
Hoffman Crown Mfg. Co., Phila., Pa. "Autoknit," "Happy Roll"
Holden Knitting Co., Worcester, Mass.
Howard Dustless Duster Co., Boston, Mass. "How-Du-Co" (Automobile)
Kalamazoo Vegetable Parchment Co., Kalamazoo, Mich. "Kup" (Paper)
Kleen Hand Products Co., San Francisco, Cal.
Kozak, Inc., Batavia, N. Y.
Landers Corp., Toledo, O.
Las-Stik Mfg. Co., Hamilton, O.
Louisville Sanitary Wipers Co., Louisville, Ky. "Blue Grass"
Massasoit Mfg. Co., Fall River, Mass. "Artic," "Dandy," "Luna," "Masco"
Midway Chemical Co., Chicago, Ill.
Mohler, A., Chicago, Ill.
Mosher, J. H., Seneca Falls, N. Y. "Som-Her Wrag"
Norwalk Tire & Rubber Co., Norwalk, Conn.
Paramount Products Co., Syracuse, N. Y. "Polisheen"
Peerless Products Co., Cleveland, O.
Pioneer Mfg. Co., Cleveland, O. "Chaffin," "Shino"
Quality Mfg. Co., Inc., Woburn, Mass. "Quality Antiseptic"
Ritzenthaler, John, 73 Franklin, New York, N. Y.
Shineen Products Corp., Chicago, Ill. "Red-E-Shine"
Textile Waste Supply Co., Chelsea Station, Boston, Mass. "Texnit"
U. S. Mfg. Co., Decatur, Ill. "Dust-Puff"
Wood (W. A.) Co., Boston, Mass.
Yale Mystic Knitting Co, Malden, Mass.

CLOTHS, Scrub

Howard Dustless Duster Co., South Boston, Mass.
Quality Mfg. Co., Inc., Woburn, Mass. "Quality Antiseptic"
Ritzenthaler, John, 73 Franklin, New York City. "Ritz"

CLUBS, Golf

Allen-Hough Carryola Co., Milwaukee, Wis. "Ampco"
Allied Golf Co., Chicago, Ill.
American Fork & Hoe Co., Cleveland, O. "True Temper"
Arcade Mfg. Co., Freeport, Ill. (Toy)
Beckley-Ralston Co., Chicago, Ill. "Peak," "Stroke Saver," "Trapshooter," "Walloper," "Young Peoples"
Billings & Spencer Co., Hartford, Conn.
Buhrke (R. H.) Co., Chicago, Ill.
Burke Golf Co., Newark, O. "Commander," "Fairplay," "Smithirons"
Crawford, McGregor & Canby Co., Dayton, O. "J. MacGregor"
Crosby Products Co., Wyandotte, Mich. (Toy)
Dayton Handle & Golf Co., Dayton, O.
Electra Mfg. Co., Kansas City, Mo. "Bobby's Own," "Highlander"
Fairy Crest Mfg. Co., Jonesboro, Ark.
Globe-Union Mfg. Co., Milwaukee, Wis.
Goldsmith's (P.) Sons Co., Cincinnati, O.
Great Lakes Golf Corp., Milwaukee, Wis.
Grey Iron Casting Co., Mt. Joy, Pa. (Also Juvenile)
Hersey Mfg. Co., South Boston, Mass.
Hillerich & Bradsby Co., Louisville, Ky. "Grand Slam," "Hinsdale," "Invincible," "Lo-Shore," "Stewart Maiden"
Indestro Mfg. Co., Chicago, Ill. "Oak Park"
Indian Archery & Toy Corp., Evansville, Ind. "Dead-Lock" (Toy)
Ken-Wel Sporting Goods Co., Utica, N. Y.
Kroydon Co., Maplewood, N. J.
Littlestown Hdw. & Fdry. Co., Littlestown, Pa. (Toy)
Midwest Golf Products Co., St. Clair, Mich. "Pro-Craft," "Pro-Made," "Pro-Matched"
Mitchell & Ness, Phila., Pa.
Monel Metal Products Corp., Bayonne, N. J.
Par Metal Co., Kalamazoo, Mich.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.) Wright & Ditson, Inc., Phila., Pa.
Royal Mfg Co., Toledo, O. "All-American," "Bonnie B," "Buddy," "Gold Spot," "Skyline," "Sovereign," "Supreme"
Shavolite Golf Corp., 22-19 41st Av., Long Island City, N. Y.
Schmidt (A. A.) & Co., Chicago, Ill.
Shaler Co., Waupum, Wis.
Smith (Seymour) & Son, Inc., Oakville, Conn. (Junior or Juvenile)
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y. "Kro-Flite"
Stephens (A. J.) & Co., Kansas City, Mo.
U. S. Golf Mfg. Co., Westfield, Mass. "Hold Fast" (Rubber Grip)
Vulcan Golf Co, Portsmouth, O.
Wilson-Western Sporting Goods Co., Chicago, Ill. "Walker Cup"
Young (L. A.) Spring & Wire Corp., Detroit, Mich. "Walter Hagen"

CLUBS, Indian

Draper-Maynard Co., Plymouth, N. H.
Estes (E. B.) & Son, Inc., 25 Vanderbilt Av., New York, N. Y.
Hellenberg (J. R.) Co., Inc., Coldwater, Mich.
Medart Co., St. Louis, Mo.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.) Wright & Ditson, Inc., Phila., Pa.
Spalding (A G.) & Bros., 105 Nassau, New York, N. Y.

CLUBS, Police

Bogert & Hopper, 223 Varick, New York, N. Y.
Estes (E. B.) & Son, Inc., 25 Vanderbilt Av., New York, N. Y.
McCrillis (R. F.) Co., Norwalk, O.
Seib Lignum-Vitae Woodturning Co., Jersey City, N. J.
Union Hdw. Co., Torrington, Conn.

COACH PAINTS—See Paints, Automobile, Carriage, Coach, Etc.

COACH SCREWS—See Screws, Coach

COAL and COKE FORKS—See Forks, Coal and Coke

COAL and GAS COMBINATION STOVES—See under Stoves

COAL BARROWS—See Wheelbarrows, All Types and Classifications

COAL BASKETS—See Baskets, Coal

COAL CHUTES—See Chutes, Coal

COAL CLAWS—See Claws, Coal

COAL, GAS and ELECTRIC COMBINATION STOVES—See under Stoves

COAL HEATERS—See Stoves and Ranges, Coal and Wood

COAL HODS—See Hods, Coal

COAL RANGES—See Stoves and Ranges, Coal

COAL SCREENS—See Screens, Coal, Sand, Etc.

COAL SHOVELS—See Shovels, Coal

COAL SIFTERS—See Sifters, Ash and Coal

COAL STOVE—See Stoves and Ranges, Coal and Wood

COAL VASES—See Vases, Coal

COASTER BRAKES—See Brakes, Coaster

COASTER WAGON STACKERS—See Under Fixtures, Display, Hardware

COASTER WAGONS—See Wagons, Coaster

COAT HANGERS—See Hangers, Garment

COAT HOOKS—See Hooks, Coat and Hat

COAT RACKS—See Racks, Coat and Hat

COATED ABRASIVES—See Abrasives, Coated

COBBLERS' KNIVES—See Knives, Shoe

COBBLERS' LASTS and STANDS—See Lasts and Stands, Cobblers

COBBLERS' OUTFITS—See Outfits, Cobblers'

COBBLERS' SETS—See Outfits, Cobblers'

COCKS, Asbestos Packed

Fairbanks Co., 393 Lafayette, New York, N. Y.

COCKS, Basin

Atkinson Co., Rochester, N. Y.
Bashlin Co., Warren, Pa.
Central Brass Mfg. Co., Cleveland, O.
Chicago Faucet Co., Chicago, Ill. "Chi-Fau-Co"
Cochrane (J. A.) Brass Mfg. Co., Cleveland, O.
Crane Co., Chicago, Ill.
Dearborn Brass Co., Cedar Rapids, Ia.
Durst Mfg. Co., 468 B'way, New York, N. Y.
Eichman (J. C.) Mfg. Co., Baltimore, Md.
Empire Brass Mfg. Co., Cleveland, O.
Fisher Brass Co., Bellefontaine, O.
General Brass Co., Detroit, Mich.
Haydenville Co., Haydenville, Mass.
Hays Mfg. Co., Erie, Pa.
Hoffman-Billings Mfg. Co., Milwaukee, Wis.
Kersten Co., Inc., Chicago, Ill.
Keystone Brass & Rubber Co., Phila., Pa.
McDonald (A. Y.) Mfg. Co., Dubuque, Ia.
McShane Bell Foundry Co., Baltimore, Md.
Mott (J. L.) Iron Wks., 535 5th Av., New York, N. Y.
Mueller Co., Decatur, Ill.
Peck Bros. & Co., New Haven, Conn.
Prier Brass Mfg. Co., Kansas City, Mo. "Standard"
Scovill Mfg. Co., Plumbers' Brass Goods Div., Waterville, Conn.
Sherman (H. B.) Mfg. Co., Battle Creek, Mich.
Speakman Co., Wilmington, Del.
Union Brass & Metal Mfg. Co., St. Paul, Minn.
Walworth Co., Boston, Mass.

COCKS, Bath

Cochrane (J. A.) Brass Mfg. Co., Cleveland, O.
Dearborn Brass Co., Cedar Rapids, Ia.
Delaware Brass Co., Delaware, O.
Fisher Brass Co., Bellefontaine, O.
Kersten Co., Inc., Chicago, Ill.
Keystone Brass & Rubber Co., Phila., Pa.
McDonald (A. Y.) Mfg. Co., Dubuque, Ia.
McShane Bell Foundry Co., Baltimore, Md.
New York Brass Turning Co., 568 Bway., New York, N. Y. "Brassturn"
Rickersburg Brass Co., Cleveland, O.
Scovill Mfg. Co., Plumbers Brass Goods Div., Waterville, Conn.

COCKS, Drain

Atlas Brass Fdry. Co., Columbus, O.
Brass Products Co., Detroit, Mich.
Buckeye Iron & Brass Co., Dayton, O.
Cochrane (J. A.) Brass Mfg. Co., Cleveland, O.
Commonwealth Brass Corp., Detroit, Mich.
Crane Co., Chicago, Ill.
Detroit Brass & Malleable Wks., Detroit, Mich.
Detroit Lubricator Co., Detroit, Mich.
Durst Mfg. Co., 468 Bway., New York, N. Y.
General Brass Co., Detroit, Mich.
Imperial Brass Mfg. Co., Chicago, Ill.
Kersten Co., Inc., Chicago, Ill.
Lincoln Brass Wks., Detroit, Mich.
Lunkenheimer Co., Cincinnati, O.
McRae & Roberts Co., Detroit, Mich.
Michigan Lubricator Co., Detroit, Mich.
Schlangen Mfg. Co., Chicago, Ill.
United-Oberndorf Corp., Cleveland, O.

COCKS, Gas

A. B. Stove Co., Battle Creek, Mich.
Belfield (H.) Co., Phila., Pa.
Claus Mfg. Co., Milwaukee, Wis.
Crane Co., Chicago, Ill.
Healey (Peter) Brass Fdry. Co., Evansville, Ind.
Johnson Gas Appliance Co., Cedar Rapids, Ia.
Kersten Co., Inc., Chicago, Ill.
Keystone Brass & Rubber Co., Phila., Pa.
McDonald (A. Y.) Mfg. Co., Dubuque, Ia.
New York Brass Turning Co., 568 Bway., New York, N. Y.
Nichol (Thos. J.) Co., Cincinnati, O.

COCKS, Laundry Tray

McDonald (A. Y.) Mfg. Co., Dubuque, Ia.

COCKS, Pet

Belfield (H.) Co., Phila., Pa.
Brass Products Co., Detroit, Mich.
Buckeye Iron & Brass Wks., Dayton, O.
Commonwealth Brass Corp., Detroit, Mich.
Crane Co., Chicago, Ill.
Detroit Brass & Malleable Wks., Detroit, Mich.
Detroit Lubricator Co., Detroit, Mich.
Dole Valve Co., Chicago, Ill.
Edelmann (E.) & Co., Chicago, Ill.
General Brass Co., Detroit, Mich.
Haydenville Co., Haydenville, Mass.
Imperial Brass Mfg. Co., Chicago, Ill.
Jarecki Mfg. Co., Erie, Pa.
Lincoln Brass Wks., Detroit, Mich.
Lunkenheimer Co., Cincinnati, O.
National Brass Mfg. Co., Rochester, N. Y.

COCKS, Pet (Continued)

New York Brass Turning Co., 568 B'way, New York, N. Y. "Brassturn"
Nolte Brass Co., Springfield, O.
Powell (Wm.) Co., Cincinnati, O.
Roberts Brass Mfg. Co., Detroit, Mich.
Sherman (H. B.) Mfg. Co., Battle Creek, Mich.
Walworth Co., Boston, Mass.

COCKS, Sill

Allen (W. D.) Mfg. Co., Chicago, Ill.
American Foundry & Mfg. Co., St. Louis, Mo.
Buckeye Iron & Brass Wks., Dayton, O.
Central Brass Mfg. Co., Cleveland, O.
Cochrane (J. A.) Brass Mfg. Co., Cleveland, O.
Crane Co., Chicago, Ill.
Durst Mfg. Co., 468 Bway., New York, N. Y.
Exeter Brass Wks., Exeter, N. H.
General Brass Co., Detroit, Mich.
Haydenville Co., Haydenville, Mass.
Hays Mfg. Co., Erie, Pa.
Kersten Co., Inc., Chicago, Ill.
Keystone Brass & Rubber Co., Phila., Pa.
Landers, Frary & Clark, New Britain, Conn.
Milwaukee Brass Mfg. Co., Milwaukee, Wis.
Mueller Co., Decatur, Ill.
Nelson (N. O.) Mfg. Co., St. Louis, Mo.
Peck Bros. & Co., New Haven, Conn.
Powhatan Brass & Iron Wks., Ransom, W. Va.
Rickersburg Brass Co., Cleveland, O.
Schlangen Mfg. Co., Chicago, Ill.
Sherman (H. B.) Mfg. Co., Battle Creek, Mich.
Standard Sanitary Mfg. Co., Pittsburgh, Pa.
Union Brass & Metal Mfg. Co., St. Paul, Minn.
United-Oberndorf Corp., Cleveland, O.
Walworth Co., Boston, Mass.

COCKS, Sink

Cochrane (J. A.) Brass Mfg. Co., Cleveland, O.
Delaware Brass Co., Delaware, O.
Fisher Brass Co., Bellefontaine, O.
Keystone Brass & Rubber Co., Phila., Pa.
Landers, Frary & Clark, New Britain, Conn.
Rickersburg Brass Co., Cleveland, O.
Robertson (H. E.) Co., Chicago, Ill. (Combination)

COCKS, Steam

Crane Co., Chicago, Ill.
General Brass Co., Detroit, Mich.
Healey (Peter) Brass Fdry. Co., Evansville, Ind.
Lunkenheimer Co., Cincinnati, O.
McDonald (A. Y.) Mfg. Co., Dubuque, Ia.
Nichol (Thos. J.) Co., Cincinnati, O.
Powell (Wm.) Co., Cincinnati, O.

COCKS, Stop and Waste

American Brass Mfg. Co., Cleveland, O.
Bashlin Co., Warren, Pa.
Buckeye Iron & Brass Wks., Dayton, O.
Central Brass Mfg. Co., Cleveland, O.
Commonwealth Brass Corp., Detroit, Mich.
Crane Co., Chicago, Ill.
Detroit Brass & Malleable Wks., Detroit, Mich.
Durst Mfg. Co., 468 B'way, New York, N. Y.
Empire Brass Mfg. Co., Cleveland, O.
Exeter Brass Wks., Exeter, N. H.
Farnan Brass Wks., Cleveland, O.
Fisher Brass Co., Bellefontaine, O.
Flannery (P. J.) Co., New Britain, Conn. "P. J. F."
General Brass Co., Detroit, Mich.
Hamilton (John) Brass Wks., Bridgeport, Conn.
Hamlin & Emery Brass Co., Boston, Mass. "Fitchburg," "Newport"
Haydenville Co., Haydenville, Mass.
Hays Mfg. Co., Erie, Pa.
Healey (Peter) Brass Fdry. Co., Evansville, Ind.
Jones (Jas.) Co., Los Angeles, Cal.
Kelly (Thos.) & Bros., Chicago, Ill.
Kersten Co., Inc., Chicago, Ill.
Kinsey & Mahler Co., Peoria, Ill.
Knox Mfg. Co., Phila., Pa.
Krenz (Oscar) Copper & Brass Wks., San Francisco, Cal.
Kupferle (John C.) Fdry. Co., St. Louis, Mo.
Lamp Miller Mfg. Co., Milwaukee, Wis.
Landers, Frary & Clark, New Britain, Conn. "Simplex"
Lead Lined Iron Pipe Co., Wakefield, Mass.
Lincoln Brass Wks., Detroit, Mich.
Lunkenheimer Co., Cincinnati, O.
McDonald (A. Y.) Mfg. Co., Dubuque, Ia.
McShane Bell Fdry. Co., Baltimore, Md. (Lavatory)
Milwaukee Brass Mfg. Co., Milwaukee, Wis.
Mott (J. L.) Iron Wks., 535 5th Av., New York, N. Y.
Mueller Co., Decatur, Ill.
Nelson (N. O.) Mfg. Co., St. Louis, Mo.
New York Brass Turning Co., 568 Bway., New York, N. Y. "Brassturn"
Nichol (Thos. J.) Co., Cincinnati, O.
Peck Bros. & Co., New Haven, Conn.
Pioneer Brass Wks., Indianapolis, Ind.
Prier Brass Mfg. Co., Kansas City, Mo. "Standard"
Rundle-Spence Mfg. Co., Milwaukee, Wis.
Ryan (J. J.) & Co., Chicago, Ill.
Savill's (Thos.) Sons, Phila., Pa.
Standard Sanitary Mfg. Co., Pittsburgh, Pa.
Triumph Brass Co., Columbus, O.
United-Oberndorf Corp., Cleveland, O.
Utica Valve & Fixture Co., Utica, N. Y.
Walworth Co., Boston, Mass.
Webb (F. W.) Mfg. Co., Boston, Mass.
Zero Valve & Brass Mfg. Co., Buffalo, N. Y.

COCKTAIL MIXERS—See Mixers, Cocktail

COCOA MATS—See Mats and Mattings, Cocoa

COCOA MATTINGS—See Mats and Mattings, Cocoa

COCOANUT GRATERS—See Graters, Vegetable, Etc.

COFFEE BOILERS—See Boilers, Coffee

COFFEE GRINDERS—See Mills, Coffee or Spice

COFFEE MILLS—See Mills, Coffee

COFFEE PERCOLATORS—See Percolators, Coffee

COFFEE POTS—See Pots, Coffee

COFFEE STRAINERS—See Strainers, Tea and Coffee

COFFEE URNS—See Urns, Coffee

COIL CHAIN—See Chain, Coil

COIL FILES—See Files, Coil

COIL SPRINGS—See Springs, Machinery or Coil; also Springs, Small

COIN CONTROLLED LOCKS—See Locks, Coin Controlled

COKE and COAL FORKS—See Forks, Coal and Coke

COLANDERS, TOY—See Sets, Cooking, Toy

COLD BLAST LANTERNS—See Lanterns, Cold Blast

COLD CHISELS—See Chisels, Cold

COLD DRAWN NUTS—See Nuts, Cold Drawn

COLD PACK CANNERS—See Canners, Cold Pack

COLD PACK CANNING RACKS—See Racks, Canning, Cold Pack

COLD PRESSED NUTS—See Nuts, Cold Punched

COLD PUNCHED NUTS—See Nuts, Cold Punched

COLD ROLLED STEEL—See Steel, Cold Rolled

COLD SHUTS—See Shuts, Cold

COLD WATER GLUE—See Glue, Cold Water

COLD WATER PAINTS—See Paints, Cold Water

COLLAPSIBLE CAMP OVENS—See Ovens, Camp, Collapsible

COLLAPSIBLE MASONRY SCAFFOLDS—See Scaffolds, Masonry

COLLAPSIBLE SAW HORSE LEGS—See Legs, Saw Horse

COLLARS, Dog

Abizaid (John G.) Mfg. Co., Boston, Mass.
Asheville Harness Co., Asheville, N. C.
Baltimore Leather Goods Co., Baltimore, Md.
Bosler, E. H., Chicago, Ill.
Brauer Bros., Inc., St. Louis, Mo. "Moose Brand"
Cargill-Cleveland & Co., Westfield, Mass.
Chicago Leather Co., Chicago, Ill.
Craftsman Leather Specialty Co., Dayton, O.
Decker, J. C., Inc., Montgomery, Pa.
Economy Mfg. Co., Phila., Pa.
Fritz Bros., Meriden, Conn.
Graton & Knight Co., Worcester, Mass.
Kraus (Edw. E.) & Son, Milwaukee, Wis.
Lefkowitz (Louis) & Bro., 1 Greene, New York, N. Y.
Loderhose, Aug. X., Chicago, Ill.
Montauk Leather Specialty Co., 140 N. 1st, Bklyn., N. Y.
Perkins-Campbell Co., Cincinnati, O. "Campbell"
Pine, Geo. D., 89 Chambers, New York, N. Y.
Rome Sporting Goods Mfg. Co., Rome, N. Y.
Schaefer, A. W., 323 St. Nicholas Av., Bklyn., N. Y.
Scheffer & Rossum Co., St. Paul, Minn.
Schoellkopf Co., Dallas, Tex.
Southern Saddlery Co., Chattanooga, Tenn.
Spratts Patent Ltd., 14 Congress, Newark, N. J.
Stevens (Walter B.) & Son, 33 Warren, New York, N. Y.
Suntorbach Co., Adrian, Mich.
Torrence (J. S.) Sales Co., Los Angeles, Cal.
Western Mfg. Co., San Francisco, Cal.
Wright, Donald, Berlin, Wis.
Wyeth Hdw. & Mfg. Co., St. Joseph, Mo.

COLLARS, Horse

Allen Bona, Buford, Ga.
Allen Mfg. Co., Lawrenceville, Ga. "Git Dap"
Blair Horse Collar Co., Blair, Neb.
Clinton Saddlery Co., Clinton, Ia.
Couch Bros. Mfg. Co., Atlanta, Ga. "Geehaw," "Lankford," "Lankford Junior," "Samson," "Old Beck," "Premier"
Cronin, M. F., 90 New Chambers, New York, N. Y.
Crump (Benj. T.) Co., Richmond, Va.
Des Moines Saddlery Co., Des Moines, Ia.
Dobson-Fisher Co., Minneapolis, Minn.
Heck (William) Saddlery Co., California, Mo. "Hexadjust"
Hermann, John, Lawrence, Kan.
Hess & Hopkins Leather Co., Rockford, Ill. "Honest Leather"
Indianapolis Saddlery Co., Indianapolis, Ind. "Huskey"
Jim Dandy Collar Co., Bradford, Ill. "Two-In-One"
Kentucky Whip & Collar Co., Eddyville, Ky.
Kessler-Barkow Saddlery Co., Atchison, Kan.
Langenbrunner & Co., Cincinnati, O.
McConnell (S. R. & I. C.) Co., Burlington, Ia.
McMonies (W. H.) & Co., Portland, Ore.
Naylon-Pierson-Hough Co., Detroit, Mich. "Peer-Ho"
Padgitt Bros. Co., Dallas, Tex.
Powers Mfg. Co., Waterloo, Ia. "Humane"
Robinsteen Collar & Leather Co., Indiana, Pa.
Scheffer & Rossum Co., Minneapolis, Minn.
Schott (J. B.) Saddlery & Mfg. Co., Quincy, Ill. "Noxall"
Sharkey (P.) & Sons, Portland, Ore.
Smith's Sons Harness Co., Buffalo, N. Y.
Southern Saddlery Co., Chattanooga, Tenn.
Strecker Bros. Co., Marietta, O.
Van Voorhies-Phinney Co., Sacramento, Cal.
Wyeth Hdw. & Mfg. Co., St. Joseph, Mo.

COLLARS, Stove Pipe

Acorn Elbow & Mfg. Co., Cleveland, O. (Aluminum)
Dover Stamping & Mfg. Co., Cambridge, Mass.
Hall & Carpenter, Phila., Pa. "Crown"
Howes (S. M.) Co., Boston, Mass.
Lalance & Grosjean Mfg. Co., Woodhaven, L. I., N. Y.
Lawson (F. H.) Co., Cincinnati, O. "Lawco"
National Enameling & Stamping Co., Milwaukee, Wis
Northwest Metal Products, Inc., Seattle, Wash.
Porter (C. B.) Co., Phila., Pa.
Savory, Inc., 591 Ferry, Newark, N. J.
Schlueter Mfg. Co., St. Louis, Mo.
Stratton & Terstegge Co., Inc., Mfg. Div., Louisville, Ky. "Falls City"
Stuber & Kuck Co., Peoria, Ill.
Wheeling Corrugating Co., Wheeling, W. Va.
Wilder Metal Co., Niles, O. "Wildergloss"

COLONIAL HARDWARE—See Wrought Iron Hardware

COLORED CHALK—See Chalk, Colored

COLORING OUTFITS, Children's—See Outfits, Painting, Children's

COLORS, Oil

Sheffield Bronze Powder & Stencil Co., 5815 Kinsman Rd., Cleveland, O.

COLORS, Paint—See Paints; also Varnishes

COLORS, Varnish—See Paints; also Varnishes

COLORS, Water

American Crayon Co., Sandusky, O. (Toy)
Display Material Co., St. Paul, Minn.

COLT WEANERS—See Weaners, Calf and Colt

COLUMN BASES—See Bases, Column

COLUMN CLAMPS—See Clamps, Form Concrete

COMB CASES—See Cases, Comb, Nail File, Etc.

COMBINATION COAL AND GAS STOVES—See Stoves, Coal and Gas Combination

COMBINATION DRILLS AND COUNTERSINKS—See Drills and Countersinks, Combined

COMBINATION ELECTRIC FLUSH DEVICES—See Electric Devices, Flush, Combination

COMBINATION LOCKS—See Locks, Combination

COMBINATION PLIERS—See Pliers, Combination

COMBINATION RADIO-PHONOGRAPH RECEIVING SETS—See Radio Receiving Sets, Radio-Phonograph Comb.

COMBINATION SCREW DRIVER—See Tools, Combination

COMBINATION SQUARES—See Squares, Combination

COMBINATION TOOLS—See Tools, Combination

COMBINATION VISES—See Vises, Combination

COMBINATION WRENCHES—See Wrenches, Combination

COMBINED DRILL AND REAMER TAPS—See Taps, Drill and Reamer, Combined

COMBS, Curry

American Shearer Mfg. Co., Nashua, N. H. "Priest's," "Western"
C-K-R Co., Cleveland, O. "Magic," "Shingle Back"
Decker Mfg. Co., Keokuk, Ia. "Arc Spring"
New York Stamping Co., N. 11th & Berry, Bklyn., N. Y. "Eclipse," "Reform"
North & Judd Mfg. Co., New Britain, Conn.
Pratt (Wm. E.) Mfg. Co., Chicago, Ill.
Southern Saddlery Co., Chattanooga, Tenn.
Weber-Kirch Mfg. Co., Keokuk, Ia.
Whirrett Bros., Delphos, O.

COMBS, Graining
(See also Tools, Graining)

Blodgett (B. F.) Co., Leominster, Mass.
Hanlon & Goodman Co., 342 Madison Av., New York, N. Y.
Ridgely Trimmer Co., Springfield, O.

COMBS, Mane

Rubber & Celluloid Products Co., 56 Ferry, Newark, N. J. "Albright," "Walker's"
Walton (Jacob W.) Sons, Phila., Pa.

COMEALONGS—See Pullers, Wire

COMPASS SAWS—See Saws, Compass

COMPASSES, Pocket

American Thermo-Ware Co., Inc., 16 Warren, New York, N. Y.
Dietzgen (Eugene) Co., Chicago, Ill.
Gurley, W. & L. E., Troy, N. Y.
Hand (John E.) & Son Co., Haddonfield, N. J.
Keuffel & Esser Co., 300 Adams, Hoboken, N. J.
Laughlin (Thomas) Co., Portland, Me.
Marble Arms & Mfg. Co., Gladstone, Mich.
Star Compass Co., East Milton, Mass. "Star Pathfinder"
Taylor Instrument Cos., Rochester, N. Y.
Testrite Instrument Co., 57 E. 11th, New York, N. Y.
Warren-Knight Co., Phila., Pa.

COMPILERS and PRINTERS OF HARDWARE JOBBERS' CATALOGS—See Catalog Compilers and Printers

COMPOSITION DOLLS—See Dolls, Composition

COMPOSITION, Seam

Kuhls, H. B. Fred, 6413 3rd Av., Bklyn., N. Y.

COMPOSITION WARE—See Ware, Composition

COMPOUND SNIPS—See Shears, Compound

COMPOUNDS, Anti-Freezing
(See also Alcohol, Denatured)

Adams & Elting Co., Chicago, Ill. "Ad el-ite"
Armour Soap Wks., Chicago, Ill. (Glycerine)
Baum's Castorine Co., Rome, N. Y.
Boyer Chemical Laboratory, Chicago, Ill.
Chain Products Co., Cleveland, O. "Hodell"
Durkee-Atwood Co., Minneapolis, Minn. "Rie-Nie"
Hall-Thompson Co., Hartford, Conn. "Alc-O-Rene"
Hollingshead (R. M.) Co., Camden, N. J. "Whiz"
International Metal Polish Co., Indianapolis, Ind. "Blue Ribbon"
Johnson (S. C.) & Son, Racine, Wis. "Freez-Proof"
Letellier Laboratories, Inc., Rochester, N. Y. "Letal"
Magie Bros., Chicago, Ill.
Martin-Senour Co., Chicago, Ill.
Mirrolike Mfg. Co., Queens Blvd., Long Island City, N. Y. "Never Freeze"
Mormiles Co., Chicago, Ill.
National Carbon Co., Inc., 30 E. 42nd, New York, N. Y. "Eveready Prestone"
Nulomoline Co., 111 Wall, New York, N. Y.
Perma-Loc Mfg. Co., Wilkes-Barre, Pa.
Permatex Co., Sheepshead Bay, N. Y. "Non-Freez-Ene"
St. Louis Rubber Cement Co., Inc., St. Louis, Mo. "Red X"
Scientific Mfg. Co., Scranton, Pa. "All-in One"
Stearns & White Co., Chicago, Ill. "No-Freeze"

COMPOUNDS, Boiler Sealing

Chamberlain Co., Pittsburgh, Pa. "Chaco"
Cream City Chemical Wks., Milwaukee, Wis.
Economy Plumber Co., 332 Canal, New York, N. Y.
Hercules Chemical Co., Inc., 332 Canal, New York, N. Y.
Liquid Veneer Corp., Buffalo, N. Y. "Neverleak"
Scientific Mfg. Co., Inc., Scranton, Pa. "Force"

COMPOUNDS, Caulking

Bestoseal Co., Cleveland, O.
Calbar Paint & Varnish Co., Phila., Pa. "Caulk-O-Seal"
Diamond Metal Weather Strip Co., Columbus, O.
Durable Products Co., Cleveland, O. "Duroplastic"
Johnson Metal Products Co., Erie, Pa. "Lu-Mastic," "Mastic"
Macklanburg-Duncan Co., Oklahoma City, Okla. "Nu-Calk"
Pecora Paint Co., Phila., Pa.
Pioneer Mfg. Co., Cleveland, O. "Creviseal"
Sheffield Bronze Powder & Stencil Co., 5815 Kinsman Rd., Cleveland, O.
Stay-Tite Products Co., Cleveland, O.
Vital Mfg. Co., Cleveland, O.

COMPOUNDS, Cleaning

Baum's Castorine Co., Rome, N. Y.
Carbona Products Co., 304 W. 26th, New York, N. Y.
Carpenter (W. D.) Co., Syracuse N. Y.
Chamberlain-Haber Chemical Co. Cleveland O. "Presto"
Common-Sense Mfg. Co., St. Louis, Mo. "Shield's"
Economy Plumber Co., 332 Canal, New York, N. Y.
Hercules Chemical Co., Inc., 332 Canal, New York, N. Y.
Midway Chemical Co., Chicago, Ill.
Nacto Cleanser Corp., 2171 Madison Av., New York, N. Y.
Nixite Laboratories Co., Inc., Columbus, O. (Golf Clubs)
Nu-Back Mfg. Co., St. Louis, Mo.
Safety Globe & Mfg. Co., Columbus, O. "Sure Shine"
Scientific Mfg. Co., Scranton, Pa. "Force"
SpeeDee Products Co., Phila., Pa.
Superior Laboratories, Grand Rapids, Mich. "Stovoil"
Thompson Specialties, Inc., Springfield, Mass. "Tip-Top"
Wells Adhesive Co., Columbus, O. "WeCo"
Wooster Brush Co., Wooster, O.
Wynn Products Co., Sterling, Ill.
"X" Laboratories, 25 W. 45th, New York, N. Y.

COMPOUNDS, Dry Cleaning

Aromatic Products Co., Detroit, Mich. "Safeway"
Columbia Phonograph Co., 55 5th Av., New York, N. Y.
Duette Mfg. Co., 305 5th Av., New York, N. Y.
Globe Machine & Stamping Co., Cleveland, O.
Rit Products Co., Chicago, Ill.
Sheffield Products Co., Cleveland, O. "Eversafe"
Silkileen Mfg. Co., Chicago, Ill. "Silkileen Mineral Cleaner"
Spee Dee Products Co., Phila., Pa.

COMPOUNDS, Grinding—See Compounds, Valve Grinding

COMPOUNDS, Gun Cleaning

Hoppe (Frank A.) Inc., 2314-H N. 8th. Phila., Pa.

COMPOUNDS, Pipe Cleaning—See Cleaners, Drain Pipe and Trap

COMPOUNDS, Roofing

Atlas Mineral Products Co., Mertztown, Pa.
Barber Asphalt Co., Phila., Pa. "Genasco"
Barrett Co., 40 Rector, New York, N. Y.
Bestoseal Company, Cleveland, O.
Bird & Son, Inc., East Walpole, Mass. "Neponset"
Certain-teed Products Corp., 100 E. 42d, New York, N. Y.
Flintkote Co., Pershing Sq. Bldg., New York, N. Y.
Ford Roofing Products Co., Chicago, Ill. "Galvanite"
Hetzel Roofing Products Co., 67 Main, Newark, N. J.
Insulatine Co., Inc., 1 B'way, New York, N. Y.
Robeson Preservo Co., Port Huron, Mich. "Robescote"
Ruberoid Co., 95 Madison Av., New York, N. Y.
Sonneborn (L.) Sons, 88 Lexington Av., New York, N. Y.

COMPOUNDS, Rug, Non-Slipping

Boyle (A. S.) Co., Cincinnati, O. "Rug-Sta"
Boylston Products Co., So. Boston, Mass. "Floor-Grip"

COMPOUNDS, Rust Preventing and Removing
(See also Preservers, Metal, Leather, etc.)

American Rust Proof Co., 8 W. 40th, New York, N. Y. "Vatu"
Billings-Chapin Co., Cleveland, O.
Bowes "Seal-Fast" Corp., Indianapolis, Ind. "Anti-Rust"
Bradford Oil Co., Inc., Palmer, Mass. "Cedaroleum"
Cabot (Samuel) Inc., Boston, Mass. "Tasgon"
Dearborn Chemical Co., Chicago, Ill. "No-Ox-Id"
Dolge (C. B.) Co., Westport, Conn.
Fiske Bros. Refining Co., 24 State, New York, N. Y.
Frost Paint & Oil Co., Minneapolis, Minn. "No Rust"
Hoppe (Frank A.), Inc., 2314-H N. 8th, Phila., Pa. "Nitro"
Industrial Refining Co., 120 W. 42nd, New York, N. Y. "Enginite"
Metropolitan Refining Co., Inc., 23 Fiftieth Av., Long Island City, N. Y. "Rusticide"
Oakite Products Co., Inc., 22 Thames, New York, N. Y.
Parker Rust Proof Co., Detroit, Mich.
Permatex Co., Sheepshead Bay, N. Y.
Polygon Products Co., Boston, Mass.
Remington Arms Company, Inc., Bridgeport, Conn.
Rust-Off Mfg. Co., Buffalo, N. Y.
St. Louis Rubber Cement Co., St. Louis, Mo.
Simoniz Co., Chicago, Ill.
Skybryte Co., Cleveland, O. "Rust Tox"
Standard Engineering & Lubricating Co., 120 W. 42d, New York, N. Y. "Rustoff"
Superior Laboratories, Grand Rapids, Mich. "Stovoil"
Three-in-one Oil Co., 170 Varick, New York, N. Y.
"X" Laboratories, 25 W. 45th, New York, N. Y.

COMPOUNDS, Valve Grinding

Baum's Castorine Co., Rome, N. Y.
Carborundum Co., Niagara Falls, N. Y. "Super Speed"
Clover Mfg. Co., Norwalk, Conn.
Durkee-Atwood Co., Minneapolis, Minn. "Rie Nie"
Hall-Thompson Co., Hartford, Conn. "Diamond," "Quick Kut," "Wonder Worker"
Hollingshead (R. M.) Co., Camden, N. J. "Whiz"
Miller (Frank) Co., Camden, N. J.
Northwestern Chemical Co., Marietta, O. "Norwesco"
Nu-Back Mfg. Co., St. Louis, Mo.
Permatex Co., Sheepshead Bay, N. Y.
Rotax Mfg. Co., 24 Bathgate Pl., Newark, N. J.
St. Louis Rubber Cement Co., Inc., St. Louis, Mo. "Red X"
Van Cleef Bros., Chicago, Ill. "Dutch"
Zip Abrasive Co., Cleveland, O.

COMPOUNDS, Welding

Air Reduction Sales Co., 60 E. 42d, New York, N. Y.
Anti-Borax Compound Co., Fort Wayne, Ind. "Crescent," "E-Z," "Wayne"
Bierman-Everett Fdry. Co., Irvington, N. J.
Cortland Welding Compound Co., Cortland, N. Y. ""Borax-Ette," "Cherry Heat," "Climax," "Weld-a-cast"
Krembs & Co., Chicago, Ill.
Pfansteihl Chemical Co., Waukegan, Ill.
Phillips-Laffitte Co., Inc., Phila., Pa. (Plate)
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Whittaker, Clark & Daniels, 250 Front, New York, N. Y.

COMPOUNDS, Window Cleaning

Absorene Mfg. Co., St. Louis, Mo. "HRH" (Powder)
Chamberlain-Haber Chemical Co., Cleveland, O. "Presto"
Coleman, Allan J., Chicago, Ill.
Flash Chemical Co., Cambridge, Mass. "Cafo-Cear"
Forbes (Benj. P.) Co., Cleveland, O. "Glasbrite"
Kimball (C. M.) Co., Winthrop, Mass. "Red Cap," "Wind-O-Wash"
New Life Co., Lansing, Mich.
Samoline Corp., Chicago, Ill.
Thompson Specialties, Inc., Springfield, Mass. "Tip-Top"

COMPRESSED AIR SPRAYERS—See Sprayers, Compressed Air

COMPRESSION BIBBS—See Bibbs, Compression

COMPRESSION COUPLINGS—See Couplings, Compression

COMPRESSION PUMPS—See Pumps, Compression

COMPRESSION STOPS—See Stops, Compression

CONCRETE BARROWS—See Wheelbarrows, All Types and Classifications

CONCRETE BLOCK MACHINES—See Block Machines, Concrete

CONCRETE CARTS—See Carts, Concrete

CONCRETE FORM CLAMPS—See Clamps, Form, Concrete

CONCRETE HAMMERS—See Hammers, Electric, Portable

CONCRETE MIXERS—See Mixers, Concrete

CONCRETE PAINTS—See Paints, Cement, Concrete, Brick, Etc.

CONCRETE SHOVELS—See Shovels, Concrete

CONCRETE TOOLS—See Tools, Cement and Concrete

CONCRETE WIRE REINFORCEMENTS—See Wire Reinforcements, Concrete

CONDUCTOR PIPE ELBOWS—See Elbows, Conductor Pipe

CONDUCTOR PIPE HANGERS—See Hangers, Eaves Trough and Conductor Pipe

CONDUCTOR STRAINERS—See Strainers, Conductor

CONDUCTORS' MONEY CHANGERS — See Changers, Money, Conductors'

CONDUIT STRAPS—See Straps, Pipe and Conduit

CONNECTORS, Battery

Ideal Clamp Mfg. Co., 200 Bradford, B'klyn, N. Y.
Metal Specialties Mfg. Co., Chicago, Ill. "Presto"
Sherman (H. B.) Mfg. Co., Battle Creek, Mich.

CONSTRUCTION TOYS, Steel, Stone, Wood, Etc.

American Flyer Mfg. Co., 2219 S. Halsted, Chicago, Ill. "Structo"
Bettcher Stamping & Mfg. Co., Cleveland, O. "Bildal"
Buddy "L" Mfg. Co., East Moline, Ill. (Steel)
Chandler-Davis Co., Evanston, Ill. "Toycrete"
Converse-Mason Corp., Winchendon, Mass.
Dank (M. Carlton) Toy Corp., 465 Liberty Av., B'klyn, N. Y.
Embossing Co., Albany, N. Y. "Tiny Town"
Gilbert (A. C.) Co., New Haven, Conn. (Steel) "Erector"
Hart (H. C.) Mfg. Co., Unionville, Conn. "Build-Al"
Hustler Toy Co., Sterling, Ill.
Lewis (G. B.) Co., Watertown, Wis. "Arkitoy Play Lumber"
Meccano Co. of America, Inc., 200 Fifth Av., New York, N. Y.
Metal Craft Corp., St. Louis, Mo. "Ace No. 2 Zeppelin," "Spirit of St. Louis"
Schoenhut (A.) Co., Phila., Pa.
Smith (S. A.) Mfg. Co., Brattleboro, Vt.
Structo Mfg. Co., Freeport, Ill.
Toy Tinkers, Inc., Evanston, Ill.
Wolverine Supply & Mfg. Co., Pittsburgh, Pa. "Mak-A-Clock" (Steel)
Wright (John Lloyd), Inc., Chicago, Ill. "Lincoln Logs"

CONTAINERS, Blades, Safety Razor—See Blades, Safety Razor, Container

CONTAINERS, Corn Cob

Thieman Harvester Co., Inc., Albert City, Ia. "Kleen Kitchen Kob"

CONTAINERS Food
(See also Jars, Fruit)

Scurlock Kontanerette Corp., 332 S. Michigan Av., Chicago, Ill.

CONVEYORS, INDUSTRIAL—See Trolleys & Trolley Tracks, Overhead

CONVEYORS, Light Material

Myers (F. E.) & Bro. Co., 902 Church, Ashland, O.

COOK KNIVES—See Knives, Cook

COOKERS, Electric

Aluminum Goods Mfg. Co., Manitowoc, Wis. "Mirror"
Apex Rotarex Co., Cleveland, O. "Rotarex-Kook-Rite"
Campbell (Wm.) Co., Alliance, O. "Rapid"
Cook Electric Heating Co., Cleveland, O.
Durham Mfg. Co., Muncie, Ind. "Duplex"
Excel Electric Co., Muncie, Ind. "Model A"
Griswold Mfg. Co., Erie, Pa.
Gray & Dudley Co., Nashville, Tenn. "Washington Rangette" (Portable)
Hankscraft Co., Madison, Wis. (Egg)
Landers, Frary & Clark, New Britain, Conn. (Oven) "Universal"
National Stamping & Electric Wks., Chicago, Ill. "White Cross"
Reich (Ernest) & Co., Chicago, Ill. "Magi-Kitch'n"
Sereico Products Corp., 601 W. 26th, New York, N. Y.
Standard Electric Stove Co., Toledo, O.
Swartzbaugh Mfg. Co., Toledo, O. "Ideal," "Everhot"
Thermostove Corp., Ltd., Oakland, Cal.
White Beauty Electric Co., Inc., Chicago, Ill.

COOKERS, Feed

American Scale Co., Kansas City, Mo.
Brower Mfg. Co., Quincy, Ill.
Butler Co., Butler, Ind.
Celina Mfg. Co., Celina, O. "Monarch"
Columbian Steel Tank Co., Kansas City, Mo.
Donaldson Bros., Mt. Clemens, Mich.
Ferguson Mfg. Co., Dubuque, Ia. "Favorite," "Star"
Freeland Sons Co., Sturgis, Mich. "Star"
Freeland Steel Tank Co., Portage, Wis. "Lightning," "Quick Meal," "Star"
Glor Bros. & Willis Mfg. Co., Attica, N. Y. "Favorite," "Keystone"
Hastings Equity Grain Bin Mfg. Co., Hastings, Neb.
Heller-Aller Co., Napoleon, O. "National"
Hudson (H. D.) Mfg. Co., Chicago, Ill. "Modoc," "Ozark," "Yukon"
Mit-Shel Stamping Mfg. Co., Quincy, Ill.
Moore Mfg. Co., Waterloo, Ia. "Best"
Moore Plow & Implement Co., Greenville, Mich.
Pioneer Mfg. Co., Middlebury, Ind. "Lightning," "Quick Meal," "Star"
Plymouth Foundry & Mach. Co., Plymouth, Wis.
Reliable Incubator & Brooder Co., Quincy, Ill.
St. Paul Corrugating Co., St. Paul, Minn. "Acme Kettle Cooker," "Pruden"
Sperry (D. R.) & Co., Batavia, Ill.
Star Tank Car Co., Goshen, Ind. "Twentieth Century," "Winner"
Swift Mfg. Co., Waterloo, Ia.
Vernier Mfg. Co., Cedar Rapids, Ia.
Wagner Mfg. Co., Sidney, O.

COOKERS, Fireless

Aladdin Industries, Inc., Chicago, Ill.
Durham Mfg. Co., Muncie, Ind. "Duplex" (Electric)
General Electric Co., Bridgeport, Conn. "Hotpoint"
Kalamazoo Stove Co., Kalamazoo, Mich.

COOKERS, Steam

Aluminum Goods Mfg. Co., Manitowoc, Wis. "Vapo-Seal"
Geuder, Paeschke & Frey Co., Milwaukee, Wis.
Griswold Mfg. Co., Erie, Pa.
Lisk Mfg. Co., Ltd., Canandaigua, N. Y.
Swartzbaugh Mfg. Co., Toledo, O.

COOKERS, Steam Pressure

Aluminum Cooking Utensil Co., New Kensington, Pa. "Wear Ever"
Automatic Canning Devices, Inc., Chicago, Ill.
Duo-Utensils Co., St. Louis, Mo. "Handy"
Geuder, Paeschke & Frey Co., Milwaukee, Wis.
Halftime Cooker Co., Chicago, Ill.
Henninger & Ayes Mfg. Co., Portland, Ore.
Illinois Pure Aluminum Co., Lemont, Ill. "American Maid"
Kewaskum Aluminum Co., Kewaskum, Wis. "Liberty"
National Pressure Cooker Co., Eau Claire, Wis.
National Aluminum Mfg. Co., Peoria, Ill.
National Stamping & Electrical Wks., Chicago, Ill. "White Cross"
Ottawa Mfg. Co., Ottawa, Kan.
Pressure Cooker Co., Denver, Colo. "Denver"
Standard Aluminum Co., Two Rivers, Wis.
Super Maid Cook-Ware Corp., Chicago, Ill.
Swartzbaugh Mfg. Co., Toledo, O. "Conseryo"
Wagner Mfg. Co., Sidney, O.
West Bend Aluminum Co., West Bend, Wis. (Waterless)

COOKERS, Waterless

Aluminum Cooking Utensil Co., New Kensington, Pa. "Wear Ever"
Bremer Aluminum Corp., Chicago, Ill. "Dr. Koch"
Geuder, Paeschke & Frey Co., Milwaukee, Wis. "Self-Seal"
Health-Maid, Inc., Cleveland, O.
Kewaskum Aluminum Co., Kewaskum, Wis.
United States Stamping Co., Moundsville, W. Va.
West Bend Aluminum Co., West Bend, Wis.

COOKIE BAKERS—See Bakers, Cookie

COOKIE PANS—See Bakers, Cookie

COOKIE SHEETS—See Bakers, Cookie

COOKING BASKETS—See Baskets, Blanching and Cooking

COOKING BOILERS—See Ware, Aluminum; also Ware, Enameled; also Ware, Tin

COOKING GLASSWARE—See Ware, Oven

COOKING SETS, Toy, Aluminum—See Sets, Cooking, Toy, Aluminum

COOKING STOVES—See kind desired under Stoves

COOKING ACCESSORIES AND TOOLS

Berridge Shear Co., Sturgis, Mich. (Kitchen Shears)
Boebinger Hdw. & Supply Co., Cincinnati, O. (Pitter)
Chatillon (John) & Sons, 85 Cliff, New York, N. Y. (Meat tender)
Enterprise Aluminum Co., Massillon, O. "Century," "Paramount"
Favorite Stove & Range Co., Piqua, O.
Geuder, Paeschke & Frey Co., Milwaukee, Wis.
Hazel-Atlas Glass Co., Wheeling, W. Va. (Percolator tops)
Heisey (A. H.) & Co., Newark, O. (Syrup jug)
Henckels (J. A.), Inc., 456 4th Av., New York, N. Y. "Twin Brand," "Welkut"
Hocking Glass Co., Lancaster, O. (Percolator tops)
Houchin (Thos. W.) Co., 309 9th, Jersey City, N. J. (Ornamenting Cake)
Newton Mfg. Co., Newton, Ia. (Tongs)
Pom, Lake Shore Blvd. & Lloyd Rd., Cleveland, O. (Cooking Tongs)
Proos Mfg. Co., Grand Rapids, Mich. "Sani-Press" (Cookie Stamp)
Sandvik Saw & Tool Corp., Minneapolis, Minn. (Imported)
Sanitary Products Corp. of America, Phila., Pa. "Sanispoons"
Scurlock Kontanerette Corp., 332 S. Michigan Av., Chicago, Ill.
Tyler Mfg. Co., Muncie, Ind. (Fibre Cutter)
Wallace Bros., Wallingford, Conn. "Multi-Fork"
Washburn Company, Worcester, Mass.

COOKING UTENSIL COVER KNOBS—See Knobs, Cover

COOKING UTENSIL COVERS—See Covers, Cooking Utensil

COOKING UTENSIL LIFTERS—See Lifters, Cooking Utensil

COOKING UTENSIL REPAIR PATCHES—See Patches, Cooking Utensil Repair

COOKING UTENSILS—See under Ware; also article desired

COOKING UTENSILS, Camp—See Utensils, Cooking, Camp

COOLERS, Milk and Cream

American Copper & Brass Wks., Cincinnati, O.
Cherry-Burrell Corp., Cedar Rapids, Ia.
Copeland Products, Ltd., Mt. Clemens, Mich. (Electric)
Frigidaire Corp., Dayton, O.
Manning Mfg. Co., Rutland, Vt.
Oakes & Burger Co., Cattaraugus, N. Y. "Purity, Jr."
Perfection Stove Co., Inc., 7609 Platt Ave., Cleveland, O. "Superfex" (Oil Heat)
Reid (A. H.) Creamery & Dairy Supply Co., Phila., Pa.
Schlueter Mfg. Co., St. Louis, Mo.
Westinghouse Electric & Mfg. Co., Mansfield, O. (Electric)

COOLERS, Water

Aldrich Mfg. Co., Buffalo, N. Y.
Allen Filter Co., Toledo, O.
American Can Co., 230 Park Av., New York, N. Y. "American Beauty"
Badger (E. B.) & Sons Co. Boston, Mass.
Copeland Products, Inc., Mt. Clemens, Mich.
Cordley & Hayes, 149A Hudson, New York, N. Y. "20th Century"
Dover Stamping & Mfg. Co., Cambridge, Mass.
Everson Filter Co., Chicago, Ill. "Eskimo," "Giant," "King," "Queen"
Federal Enameling & Stamping Co., McKees Rocks, Pa. "Handy Drink" (Refrigerator)
Fearless Dish Washer Co., Rochester, N. Y. "Barron"
Frigidaire Corp., Dayton, O.
Fulper Pottery Co., Flemington, N. J.
Gray (Peter) & Sons, Inc., East Cambridge, Mass.
Griscom-Russell Co., 285 Madison Av., New York, N. Y.
Hamburg Bros., Pittsburgh, Pa. "Coldrink" (Refrigerator)
Hemp & Co. Corp., St. Louis, Mo. "Brainard's Little Brown Jug"
Jewett Refrigerator Co., Buffalo, N. Y.
Kelvinator Corp., Detroit, Mich. (Electric)
Koven (L. O.) & Bro., 154 Ogden Av., Jersey City, N. J.
Kraft, A. C., 159 W. Lake, Chicago, Ill.
Lawson (F. H.) Co., Cincinnati, O. "Lawco"
Mangold Stave & Cooperage Co., St. Louis, Mo.
Marietta Hollow Ware & Enameling Co., Marietta, Pa.
Marsden (J. E.) Glass Wks., Inc., Ambler, Pa. "Tufglas" (Refrigerator)
McKee Glass Co., Jeannette, Pa.
Merchant & Evans Co., Phila., Pa. (Electric)
National Enameling & Stamping Co., Milwaukee, Wis.
New Farson Mfg. Co., Chester, Pa.
Norge Corp., Detroit, Mich. (Electric)
Perfection Cooler Co., Michigan City, Ind.
Polar Ware Co., Sheboygan, Wis. (Refrigerator)
Porter (C. B.) Co., Phila., Pa.
Ray (Geo. A.) Mfg. Co., Buffalo, N. Y.
Robinson Clay Products Co., Akron, O.
Rotax Co., 380 E. 133rd, New York, N. Y. "Knight"
St. Louis Cooperage Co., St. Louis, Mo. (Wood)
Savory, Inc., 591 Ferry, Newark, N. J.
Schlueter Mfg. Co., St. Louis, Mo. "Jewel"
Sneath Glass Co., Hartford City, Ind. (Refrigerator)
Standard Stamping Co., St. Louis, Mo. "Blizzard"
Star Brass Wks., Chicago, Ill.
Stratton & Terstegge Co., Inc., Mfg. Div., Louisville, Ky. "Falls City"
Union Cooperage Co., St. Louis, Mo. "U. C."
United States Stamping Co., Moundsville, W. Va. (Refrigerator)
Vollrath Co., Sheboygan, Wis. (Refrigerator)
Westinghouse Elec. & Mfg. Co., Mansfield, O. "Dual-Automatic" (Electric)

COOPERS' FLAGGING IRONS—See Irons, Flagging

COOPERS' HOOP DRIVERS—See Drivers, Coopers' Hoop

COOPERS' HOOP FASTENERS—See Fasteners, Hoop

COOPERS' RIVETS—See Rivets, Coopers'

COOPERS' SHAVES—See Shaves, Coopers'

COOPERS' TOOLS—See Tools, Coopers'

COOPS, Brood, Poultry

Beatrice Steel Tank Mfg. Co., Beatrice, Neb.
Brower Mfg. Co., Quincy, Ill.
Butler Co., Butler, Ind.
Continental Steel Corp., Kokomo, Ind.
Cyclone Mfg. Co., Urbana, Ind. "Lawn Park," "Non-Parking"
Des Moines Incubator Co., Des Moines, Ia. "Successful"
Excelsior Stove & Mfg. Co., Quincy, Ill. "National"
Foster Sheet Metal Co., Springfield, Ill.
Heller-Aller Co., Napoleon, O.
Hoeft & Co., Inc., 2309 Davis, No. Chicago, Ill. "Moe's"
Hudson (H. D.) Mfg. Co., Chicago, Ill.
Klein Mfg. Co., Burlington, Ia. "K-Line"
Mit-Shel Stamping Mfg. Co., Quincy, Ill. "Argo"
New Delphos Mfg. Co., Delphos, O.

COOPS, Brood, Poultry (Continued)

North Dakota Metal Culvert Co., Fargo, N. D.
Reliable Incubator & Brooder Co., Quincy, Ill.
Royal Mfg. Co., Toledo, O.
United Steel & Wire Co., Battle Creek, Mich. "Steel Pyramid"
Weber-Kirch Mfg. Co., Keokuk, Ia. "W-K"

COOPS, Poultry, Shipping

Bernard (Phillip) Co., Sioux City, Ia.
Davenport Ladder Co., Davenport, Ia.
United Steel & Wire Co., Battle Creek, Mich.

COPING SAW FRAMES—See Frames, Coping Saw

COPING SAWS—See Saws, Coping

COPPER BOLTS—See Bolts, Brass, Bronze and Copper

COPPER BURRS—See Burrs, Copper

COPPER FERRULES—See Ferrules, Brass and Copper

COPPER FLOATS, Closet Tank—See Floats, Closet Tank, Copper

COPPER FLOATS, Steam Trap and Boiler—See Floats, Copper, Steam Trap and Boiler

COPPER KETTLES—See Kettles, Copper

COPPER MEASURES—See Measures, Liquid, Copper

COPPER NAILS—See Nails, Copper

COPPER NUTS—See Nuts, Brass and Copper

COPPER PIPE—See Tubing, Brass and Copper; also Pipe, Brass and Copper

COPPER RIVETS—See Rivets, Brass and Copper

COPPER, Sheet and Rod—See Brass and Copper, Sheet and Rod

COPPER SHINGLES—See Shingles, Copper

COPPER TACKS—See Tacks, Brass and Copper

COPPER TUBING—See Tubing, Brass and Copper

COPPER WARE—See Ware, Copper

COPPER WASHERS—See Washers, Brass and Copper

COPPER WIRE—See Wire, Brass and Copper

COPPER WIRE CLOTH—See Cloth, Wire, Black, Brass, Bronze, Copper, Galvanized, Etc.

COPPER & ZINC ORNAMENTS—See Ornaments, Copper and Zinc

COPPERED METAL

Milcor Steel Co., Milwaukee, Wis.

COPPERS, Soldering
(See also Irons, Soldering, Electric)

Allen (L. B.) Co., Inc., 6731 Bryn Mawr Av., Chicago, Ill.
Barrett, Wm. L., Bristol, Conn.
Bullock Mfg. Associates, Div. of Parker Wire Goods Co., Worcester, Mass.
Chase Brass & Copper Co., Waterbury, Conn.
Clendenin Bros., Baltimore, Md.
Dover Mfg. Co., Dover, O.
Electric Soldering Iron Co., Inc., 137 W. 17th, New York, N. Y. "Constant Duty," "Esico Junior"
Everhot Mfg. Co., Maywood, Ill.
Hussey (C. G.) & Co., Pittsburgh, Pa.
Justrite Mfg. Co., 2061 Southport Av., Chicago, Ill. (Combination Soldering Iron & Blow Torch)
Klauer Mfg. Co., Dubuque, Ia.
Livingston Co., Rockland, Me.
Michigan Smelting & Refining Co., Detroit, Mich.
Niagara Mach. & Tool Wks., Buffalo, N. Y.
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Revere Copper & Brass, Inc., 230 Park Av., New York, N. Y.
Stover Mfg. & Engine Co., Freeport, Ill.
Turner Brass Wks., Sycamore, Ill.

COPPERS, Soldering, Self-Heating

Everhot Mfg. Co., Maywood, Ill.

CORD, Braided—See Cord, Sash; also Lines, Clothes

CORD CUTTERS—See Cutters, Rope, Cord and Twine

CORD, Extension

Ajax Electric Specialty Co., St. Louis, Mo. (Radio)
American Insulated Wire Corp., Providence, R. I. "Kenrite"
Arrow, Hart & Hegeman Electric Co., Hartford, Conn.
Belden Mfg. Co., Chicago, Ill.
Crescent Braid, Inc., Providence, R. I. "Blue Ribbon"
Darow Mfg. Co., 36 E. 20th, New York, N. Y.
Eade, John E., Providence, R. I.
Frost (Herbert H.) Inc., Elkhart, Ind.
Herst (Wm.) Co., Chicago, Ill. "Laiz-Flat"
Monowatt Electric Corp., Chrysler Bldg., New York, N. Y.
Polymet Mfg. Corp., 829 E. 134th, New York, N. Y. "E-Z"
Superior Electric Products Corp., St. Louis, Mo.
Trico Fuse Mfg. Co., Milwaukee, Wis. "Roll-A-Way"

CORD, Lamp and Heater, Electric, Etc.

American Insulated Wire Corp., Providence, R. I. "Kenrite"
American Steel & Wire Co., 208 S. La Salle, Chicago, Ill. "Americore"
Appleton Electric Co., Chicago, Ill. "Keephot" (Hot Water Bottle)
Arrow, Hart & Hegeman Electric Co., Hartford, Conn.
Belden Mfg. Co., Chicago, Ill.
Collyer Insulated Wire Co., Pawtucket, R. I.
Connecticut Molded Products Corp., Meriden, Conn.
Driver-Harris Co., (Harrison) Newark, N. J.
General Electric Co., Schenectady, N. Y.
Hatfield Rubber Wks., Hillside, N. J. "Hatex"
Herst (Wm.) Co., Chicago, Ill. "Laiz-Flat"
Monowatt Electric Corp., Chrysler Bldg., New York, N. Y.
Proctor & Schwartz Electric Co., Phila., Pa. (Electric Iron)
Rome Mfg. Co., Rome, N. Y.
Safeguard Electric Appliance Co., Phila., Pa.
Trico Fuse Mfg. Co., Milwaukee, Wis. "Roll-A-Way"

CORD, Picture—See Wire, Picture

CORD, Sash
(See also Chain, Sash)

American Mills Co., Atlanta, Ga. "XLCR"
Anniston Cordage Co., Anniston, Ala.
Atco Co., Atlanta, Ga.
Draper (W. H.) & Sons, Inc., Troy, N. Y.
Empire Twine & Yarn Co., Inc., 70 Thomas, New York, N. Y. "Leonard," "Rector"
Estes Mills, Fall River, Mass. "Alba," "Star"
Fricke (J. E.) Co., Phila., Pa. "Jefferson"
Granite Cordage Co., Hickory, N. C.
Highland Cordage Co., Hickory, N. C.
Hoffman Lion Mills, 485 Washington, New York, N. Y.
Hooper (Wm. E.) & Sons Co., Phila., Pa. "Parkdale," "Sterling," "Sturdee"
Hooper (Wm. E.) & Sons Co., Baltimore, Md.
Kelley (Henry C.) Co., 60 Thomas, New York, N. Y.
Mallison Braided Cord Co., Athens, Ga. "Excelsior," "National," "Oconee," "Victor"
Peter (E. C.) Cordage Co., Cincinnati, O.
Puritan Cordage Mills, Louisville, Ky.
Rugg (E. T.) Co., Newark, O. "Snow-White"
Samson Cordage Works, 89 Broad, Boston, Mass. "Aetna," "Phoenix," "Sachem," "Samson Spot," "Samson Wire Centre"
Silver Lake Co., Newtonville, Mass. "Bengal," "Eddystone," "NuCord," "Pelham," "Silver Lake A," "Silver Lake Wire Center"
Southern Mills Corp., Oxford, Ala.
Whittier Mills Co., Chattahoochee, Ga. "U. S."

CORD, Sash, Wire, Steel
(See also Chain, Sash)

American Cable Co., Inc., 230 Park Av., New York, N. Y. "Crescent"
American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
MacWhyte Co., Kenosha, Wis.
Roebling's (John A.) Sons Co., Trenton, N. J.

CORD, Shade

Empire Twine & Yarn Co., Inc., 70 Thomas, New York, N. Y.
Samson Cordage Works, 89 Broad, Boston, Mass.
Silver Lake Co., Newtonville, Mass.

CORDAGE—See also Rope

CORDAGE and TWINE
(See also Twine)

American Mfg. Co., West & Noble Sts., Bklyn., N. Y. "American"
American Mills Co., Atlanta, Ga.
Ashaway Line & Twine Mfg. Co., Ashaway, R. I.
Atkins & Pearce Mfg. Co., Cincinnati, O.
Beaumont Mfg. Co., Spartanburg, S. C.
Bibb Mfg. Co., Macon, Ga.
Broderick & Bascom Rope Co., St. Louis, Mo.
California Cotton Mill Co., East Oakland, Cal.
Cating Rope Wks., Inc., Maspeth, N. Y.
Cayuga Linen & Cotton Mill, Auburn, N. Y.
Cleveland Mill & Power Co., Lawndale, N. C.
Cohankus Mfg. Co., Paducah, Ky.
Columbian Rope Co., 352 Genesee, Auburn, N. Y.
Dolphin Jute Mills, Paterson, N. J.
Draper (W. H.) & Sons, Inc., Troy, N. Y.
Eagle Cotton Mills Co., Madison, Ind.
Empire Twine & Yarn Co., Inc., 70 Thomas, New York, N. Y.
Estes Mills, Fall River, Mass.
Filter Fabrics Co., Salt Lake City, Utah
Fischer & Hayes Rope & Steel Co., Chicago, Ill.
Fitler (Edwin H.) Co., Phila., Pa.
Fricke (J. E.) Co., Phila., Pa.
Fulton Bag & Cotton Mills, Inc., 330 Wythe Av., Bklyn., N. Y. "Eagle Sail"
Groendyke (J. C.) Co., Chicago, Ill.
Hanover Cordage Co., Hanover, Pa.
Highland Cordage Co., Hickory, N. C.
Hoffman Lion Mills Co., 485 Washington, New York, N. Y. "Hoflion"
Holden, James, Fall River, Mass.
Hooper (Wm. E.) & Sons Co., Phila., Pa.
Hooven & Allison Co., Xenia, O.
Jackson (Thos.) & Son Co., Reading, Pa.
January & Wood Co., Maysville, Ky.
Kelley (Henry C.) Co., 60 Thomas, New York, N. Y.
Kelly (R. A.) Co., Xenia, O.
Knox (W. & J.) Net & Twine Co., Baltimore, Md.
Lambeth Rope Corp., New Bedford, Mass.
Lawrence Duck Co., Lawrence, Mass.
Lawson (R. T.) Inc., Phila., Pa.
Lees Mfg. Co., Westport, Conn. "Octagon"
Linen Thread Co., 200 Hudson, New York, N. Y. "Barbour"
Mallison Braided Cord Co., Athens, Ga.
Mayapan Cordage Co., Inc., Dayton, O. "Fidelity"
Meagher's (Jas.) Sons, San Francisco, Cal.
Mt. Vernon Woodberry Mills, Baltimore, Md.
Neptune Twine & Cord Mills, Moodus, Conn.
New Bedford Cordage Co., New Bedford, Mass.
New York Net & Twine Co., Moodus, Conn.
Oakdale Cotton Mills, Jamestown, N. C.
Peoria Cordage Co., Peoria, Ill.
Peter (E. C.) Cordage Co., Cincinnati, O.
Pioneer Cotton Mills, Guthrie, Okla.
Plymouth Cordage Co., North Plymouth, Mass.
Portland Cordage Co., Portland, Ore.
Puritan Cordage Mills, Louisville, Ky.
Rauschenberger (John) Co., Milwaukee, Wis.
Rinek Cordage Co., Easton, Pa.
Rugg (E. T.) & Co., Newark, O.
Samson Cordage Works, 89 Broad, Boston, Mass.
Schlichter Jute Cordage Co., Phila., Pa.
Semple Mfg. Co., Louisville, Ky.
Silver Lake Co., Newtonville, Mass. "Eddystone," "Wearwell"
Southern Mills Corp., Oxford, Ala.
Undine Twine Mills, Inc., Moodus, Conn.
Wall Rope Wks., 48 South, New York, N. Y.
Westport Mfg. Co., Fall River, Mass.
Whitlock Cordage Co., 46 South, New York, N. Y.
Wortendyke Mfg. Co., Richmond, Va.

CORERS, Apple—See Corers, Fruit and Vegetable

CORERS, Cabbage

Osborne (C. S.) & Co., Box 183, Neewark, N. J.
Sayre (L. A.) Co., 332 Mulberry, Newark, N. J.
Smith's (John E.) Sons Co., Buffalo, N. Y. "Buffalo"
Stortz (John) & Son, Phila., Pa.

CORERS, Fruit and Vegetable

A. & J. Kitchen Tool Co., Chicago, Ill. "Blutip"
Acme Metal Goods Mfg. Co., 2 Orange, Newark, N. J. (Stainless)
Burns Mfg. Co., Syracuse, N. Y. (Grapefruit)
Corwin Mfg. Co., 103 Monroe Newark, N. J. (Grapefruit)
Hamblin & Russell Mfg. Co., Worcester, Mass.
Handy Things Mfg. Co., Ludington, Mich.
Houchin (Thos. W.) Co., 309 9th, Jersey City, N. J.
Hudson Parer Co., Leominster, Mass.
Lewis, E. J., Middleport, N. Y.
Metal Goods Corp., St. Louis, Mo. (Knife Combination)
National Enameling & Stamping Co., Milwaukee, Wis.
P. M. C. Mfg. Corp., Kingston, N. Y.
Rockford Metal Spec. Co., Rockford, Ill. "Vantage"
Royal Mfg. Co., Phila., Pa.
Samson-United Corp., Rochester, N. Y. (Stainless)
Savory, Inc., 591 Ferry, Newark, N. J.
Turner & Seymour Mfg. Co., Torrington, Conn. "Boyle" (Grapefruit and Oranges)
Utility Mfg. Co., Baltimore, Md.
Vaughan Novelty Mfg. Co., Chicago, Ill. "No Chip"
Wallace & Co., Wallingford, Conn.
Washburn Company, Worcester, Mass.
White (Ira F.) & Son Co., Bloomfield, N. J.

CORERS, Vegetable—See Corers, Fruit and Vegetable

CORK BALLS—See Balls, Cork

CORK GASKETS—See Gaskets, Cork

CORK PULLERS—See Pullers, Cork

CORK WASHERS—See Washers, Cork

CORKERS, Hand

Acme Cork Co., 899 3d Av., New York, N. Y.
Redlich Mfg. Co., Chicago, Ill.

CORKS

Acme Cork Co., 899 3d Av., New York, N. Y.
American Cork Co., Boston, Mass.
Armstrong Cork Co., Lancaster, Pa.
Chicago Cork Wks. Co., Chicago, Ill.
Consolidated Cork Corp., 55 Bogart, Bklyn., N. Y.
Dodge Cork Co., Inc., Lancaster, Pa.
Kimberkork Co., Chicago, Ill.
Mundet (L.) & Sons, 65 S. 11th, Bklyn., N. Y. "Jointite"
Paddock Cork Co., 1209 De Kalb Av., Bklyn., N. Y.
Redlich Mfg. Co., Chicago, Ill.
Truslow & Fulle, Inc., 48 Wilson, Bklyn., N. Y.

CORKSCREWS
(See also Pullers, Cork)

Arcadé Mfg. Co., Freeport, Ill.
Autoyre Co., Oakville, Conn.
Boker (H.) & Co., 101 Duane, New York, N. Y.
Corbin, P. & F., New Britain, Conn.
Henckel's (J. A.) Inc., 456 4th Av., New York, N. Y. "Twin Brand," "Welkut"
K-D Mfg. Co., Lancaster, Pa. "Ope-An-Stir"
Roberts Specialty Mfg. Co., Inc., Boston, Mass. "Sav-Kap" (Combination)
Rockwell, Clough Co., Alton, N. H.
Vaughan Novelty Mfg. Co., Chicago, Ill. "Nifty"
Voos Co., Inc., New Haven, Conn.
Wallace Bros., Wallingford, Conn. "W. B. W."
Williamson (C. T.) Wire Novelty Co., 53 Badger Av., Newark, N. J.

CORN BROOMS—See Brooms, Corn

CORN COB CONTAINERS—See Containers, Corn Cob

CORN CRIBS—See Cribs, Corn

CORN DRYERS—See Dryers, Corn

CORN HOOKS—See Hooks, Corn

CORN HUSKERS—See Huskers, Corn; also Pickers and Huskers, Corn

CORN KNIVES—See Knives, Corn

CORN MILLS—See Mills, Corn

CORN PICKERS—See Pickers and Huskers, Corn

CORN POPPER WIRE CLOTH—See Cloth, Wire, Corn Popper

CORN POPPERS—See Poppers, Corn

CORN RACKS—See Dryers and Racks, Corn Seed

CORN RAZORS—See Razors, Corn

CORN SHELLERS—See Shellers, Corn

CORNER BEADS—See Beads, Corner

CORNER BIT BRACES—See Braces, Bit, Corner

CORNER HINGE PLATES—See Plates, Hinge, Corner

CORNER IRONS—See Irons, Brace, Corner

CORNER PLATES—See Plates, Corner

CORNERS, Box, Chest and Table

Beardsley & Wolcott Mfg. Co., Waterville, Conn.
Corbin Cabinet Lock Co., New Britain, Conn.
G. G. G. Metal Stamping Co., Warren, Pa.
Keil (Francis) & Son, Inc., 401 E. 163d, New York, N. Y.
Ludwig (A.) & Co., 75 Spring, New York, N. Y.
National Brass Co., Grand Rapids, Mich.
Parker Wire Goods Co., Worcester, Mass.
Sargent & Co., New Haven, Conn.
Stanley Wks., New Britain, Conn.

CORNERS, Building, Metal

Beatrice Steel Tank Mfg. Co., Beatrice, Neb.
Continental Steel Products Co., Youngstown, O. "Valley"
Edwards Mfg. Co., Cincinnati, O.
Kees (F. D.) Mfg. Co., Beatrice, Neb.
Klauer Mfg. Co., Dubuque, Ia.
Merwin Mfg. Co., Erie, Pa.
Milcor Steel Co., Milwaukee, Wis.
Northwest Metal Products, Inc., Seattle, Wash. "Norwesco"
Reeves Mfg. Co., Dover, O.
Shrauger & Johnson, Atlantic, In. "Chief"

CORNERS, Screen, Frame

C-K-R Company, Cleveland, O. "Little Giant"
Collette Mfg. Co., Amsterdam, N. Y.
General Hardware & Mfg. Co., Phila., Pa.
Griffin Mfg. Co., Erie, Pa.
Jenkinson (R. C.) & Co., 289 Washington, Newark, N. J.
Micklin Mfg. Co., Omaha, Neb.
Quadriga Mfg. Co., Chicago, Ill.
Sargent & Co., New Haven, Conn.
Stanley Wks., New Britain, Conn.
Stearns (E. C.) & Co., Syracuse, N. Y. "Stearns Ecsco"

CORNERS, Stair

Beardsley & Wolcott Mfg. Co., Waterville, Conn.
Brainerd Mfg. Co., East Rochester, N. Y.
Corbin Cabinet Lock Co., New Britain, Conn.
Judd (H. L.) Co., 87 Chambers, New York, N. Y.
Painesville Metallic Binding Co., Painesville, O.
Weber-Knapp Co., Jamestown, N. Y.

CORNICE HOOKS—See Hooks, Cornice

CORNICES, Galvanized

Berger Mfg. Co., Canton, O.
Canton Art Metal Co., Canton, O.
Corning Mfg. Co., Corning, N. Y.
Danzer Metal Wks., Hagerstown, Md.
Meyer (F.) & Bro., Co., Peoria, Ill. "Handy"
Milcor Steel Co., Milwaukee, Wis.
Souther (E. E.) Iron Co., St. Louis, Mo.

CORRESPONDENCE LIFTS—See Lifts, Correspondence

CORRUGATED ROOFING and SIDING—See Roofing and Siding, Metal

CORRUGATED WALL FLASHING—See Flashing, Wall, Corrugated

CORRUGATED WOOD JOINT FASTENERS—See Fasteners, Wood Joint, Corrugated

CORUNDUM WHEELS—See Wheels, Grinding

COTS, Camp, Folding

Ames-Harris-Neville Co., San Francisco, Cal.
Cable Corporation, 108 W. 38th, New York, N. Y.
Couch Bros. Mfg. Co., Atlanta, Ga.
Crawford-Austin Mfg. Co., Waco, Tex. "Supreme"
Enterprise Bed Co., Hammond, Ind.
Fulton Bag & Cotton Mills, 330 Wythe Av., B'klyn, N. Y.
Gold Medal Folding Furniture Co., Racine, Wis. "Racine"
Goldwyn Mfg. Co., Chicago, Ill.
Gundelfinger Wood Products Co., Jefferson City, Mo. "De Luxe"
Haggard & Marcusson Co., Chicago, Ill.
Hall (Frank A.) & Sons, 120 Baxter, New York, N. Y.
Hettrick Mfg. Co., Summit & Magnolia, Toledo, O.
Hunt Spring Bed Co., Chattanooga, Tenn.
McGrew Machine Co., Lincoln, Neb. "Lincoln," "Standard," "Super"
Moore Co., Muncie, Ind. "Real-Rest"
Nappanee Lumber & Mfg. Co., Nappanee, Ind.
Pratt Mfg. Co., Coldwater, Mich.
Telescope Folding Furniture Co., Granville, N. Y.
Tucker Duck & Rubber Co., Ft. Smith, Ark. "Leader," "Peerless"

COTTER PIN EXTRACTORS—See Extractors, Cotter Pin

COTTER PINS—See Pins, Cotter

COTTERS AND KEYS
(See also Pins, Cotter)

American Chain Co., Inc., Bridgeport, Conn. "Campbell Hammerlock"
American Steel Co., Pittsburgh, Pa.
Brooks (M. S.) & Sons, Chester, Conn.
Herschel (R.) Mfg. Co., Peoria, Ill.
Hubbard Spring Mfg. Co., Pontiac, Mich.
Jenckes (E.) Mfg. Co., Worcester, Mass.
Lamson & Sessions Co., Cleveland, O. "Efficiency"
National Screw & Mfg. Co., Cleveland, O.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, Pa. "Empire"
Smith (F. P.) & Co., Sharon Hill, Pa. "Saco"
Washburn Company, Worcester, Mass.
Western Wire Products Co., St. Louis, Mo. "W. W."
Williams (J. H.) & Co., Buffalo, N. Y.

COTTON BAGS—See Bags, Cotton

COTTON CHOPPER HOES—See Hoes, Cotton Chopper

COTTON DUCK—See Duck, Cotton

COTTON GLOVES—See Gloves, Canvas, Cotton, Etc.

COTTON HOOKS—See Hooks, Cotton

COTTON MOPS—See Mops, Polishing

COTTON PICKER BAGS—See Bags, Cotton Picker

COTTON PICKER SHEETS—See Sheets, Cotton Picker

COTTON ROPE—See Rope, Cotton

COTTON TIES—See Ties, Cotton

COTTON TWINE—See Twine, Wrapping, Etc.

COTTON WASTE—See Wipings, Waste, Cotton

COTTON WEBBING—See Webbing, Cotton

COTTON WICKING—See Wicking, Cotton

COUNTER BRUSHES—See Brushes, Household

COUNTER DISPLAY BASKETS—See Baskets, Counter Display

COUNTER DISPLAY DIVIDERS—See Dividers, Display, Counter

COUNTER DRAWERS—See Drawers, Counter, Etc.

COUNTER RAILINGS—See Railing, Porch, Counter, Balcony, Etc.

COUNTER RULES—See Rules, Counter

COUNTER SCALES—See Scales, Counter

COUNTERBORES

Cleveland Twist Drill Co., Cleveland, O.
Cleveland Cutter & Reamer Co., Cleveland, O.
Conant & Donelson Co., Conway, Mass.
Connecticut Valley Mfg. Co., Centerbrook, Conn.
Damascus Steel Products Corp., Rockford, Ill. "Dasco"
Kendrick & Davis Co., Lebanon, N. H.
Keystone Reamer & Tool Co., Millersburg, Pa.
Mechanics Tool & Wrench Co., Greenfield, Mass. "Cutwell"
Morse Twist Drill & Mach. Co., New Bedford, Mass.
National Tool Co., Cleveland, O.
National Twist Drill & Tool Co., Detroit, Mich.
New Britain Tool & Mfg. Co., Inc., New Britain, Conn.
Pratt & Whitney Co., Hartford, Conn.
Production Tool Co. of America, Inc., Detroit, Mich.
Standard Tool Co., Cleveland, O.
Whitman & Barnes, Inc., Detroit, Mich.

COUNTERSINK BITS—See Bits, Countersink

COUNTERSINKS

Alvord-Polk Tool Co., Millersburg, Pa.
American Swiss File & Tool Co., Elizabeth, N. J.
Buck Bros., Millbury, Mass.
Butterfield & Co., Div., Union Twist Drill Co., Derby Line, Vt.
Chapin-Stephens Co., Pine Meadow, Conn.
Clark Equipment Co., Buchanan, Mich. "Celfor"
Cincinnati Tool Co., Montgomery Rd., Cincinnati, O. "Hargrave"
Cleveland Twist Drill Co., Cleveland, O.
Deuse, J. S., Chester, Conn.
Greenfield Tap & Die Corp., Greenfield, Mass. "G T D"
Greenlee Tool Co., Rockford, Ill.
Iron City Tool Works, Pittsburgh, Pa.
Jennings (Russell) Mfg. Co., Chester, Conn.
Johnson (William), Inc., 36 Brenner, Newark, N. J.
Kendrick & Davis Co., Lebanon, N. H.
Kilborn & Bishop Co., New Haven, Conn. "Green Line"
Mayhew Steel Products, Inc., Shelburne Falls, Mass.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Morse Twist Drill & Mach. Co., New Bedford, Mass.
National Twist Drill & Tool Co., Detroit, Mich.
North Bros. Mfg. Co., Phila., Pa. "Yankee"
Production Tool Co. of America, Inc., Detroit, Mich.
Pugh (Job T.), Inc., Phila., Pa.
Robinson (M. W.) Co., 28 Warren, New York, N. Y. "Smith's"
Snell Mfg. Co., Fiskdale, Mass.
Standard Tool Co., Cleveland, O.
Stanley Wks., New Britain, Conn.
Starrett (L. S.) Co., Athol, Mass.
Stearns (E. C.) & Co., Syracuse, N. Y. "Stearns Ecsco"
Stortz (John) & Son, Phila., Pa.
Swan (Jas.) Co., Seymour, Conn.
Tuck Mfg. Co., Brockton, Mass.
Union Twist Drill Co., Athol, Mass.
Vaughan & Bushnell Mfg. Co., Chicago, Ill. "V. & B."
Whitman & Barnes, Inc., Detroit, Mich.

COUNTERSINKS AND DRILLS, Combined—See Drills and Countersinks, Combined

COUNTERSUNK WASHERS—See Washers, Countersunk

COUNTING BOARDS—See Boards, Spelling, Counting, Reading, Etc.

COUPLERS, Dog

American Chain Co., Inc., Bridgeport, Conn.
Baltimore Leather Goods Co., Baltimore, Md.
Bridgeport Chain & Mfg. Co., Bridgeport, Conn.
Chain Products Co., Cleveland, O.
Graton & Knight Co., Worcester, Mass.
Oneida Community, Ltd., Oneida, N. Y.
Parker Wire Goods Co., Worcester, Mass.
Premax Products, Inc., Niagara Falls, N. Y.
Schoellkopf Co., Dallas, Tex.
Spratts Patent, Ltd., 14 Congress, Newark, N. J.

COUPLERS, Shaft, Carriage, Wagon, Etc.

Bradley (C. C.) & Son, Syracuse, N. Y.
Clapp (E. D.) Mfg. Co., Auburn, N. Y.
Cleveland Hdw. Co., Cleveland, O.
Columbus Bolt Wks. Co., Columbus, O.
Cowles (C.) & Co., New Haven, Conn.
Fernald Mfg. Co., North East, Pa. "Burton," "1901"
Republic Steel Corp., Upson Nut Div., Cleveland, O.

COUPLINGS, Compression

American Injector Co., Detroit, Mich.
American Tool & Mach. Co., Boston, Mass.
Bond Fdry. & Mach. Co., Manheim, Pa. "Spiro"
Brown (A. & F.) Co., Elizabeth, N. J.
Chain Belt Co., Milwaukee, Wis. "C. B. Co."
Commonwealth Brass Corp., Detroit, Mich.
Dole Valve Co., Chicago, Ill.
Edelmann (E.) & Co., Chicago, Ill.
Erie Clutch & Pulley Co., Erie, Pa.
Foote Bros. Gear & Machine Co., Chicago, Ill.

COUPLINGS, Compression (Continued)

General Brass Co., Detroit, Mich.
Golden's Fdry. & Mach. Co., Columbus, Ga.
Hill Clutch Machine & Fdry. Co., Cleveland, O.
Hunter (Jas.) Mach. Co., North Adams, Mass.
Imperial Brass Mfg. Co., Chicago, Ill.
Jeffrey Mfg. Co., Columbus, O.
Jones (W. A.) Fdry. & Mach. Co., Chicago, Ill.
Link-Belt Co., Chicago, Ill.
Mobile Pulley & Machine Wks., Mobile, Ala.
Newton Mfg. Co., Plainville, Conn.
Nicholson (W. H.) & Co., Wilkes-Barre, Pa.
Royersford Fdry. & Mch. Co., Royersford, Pa.
Three Rivers Mach. Tool & Die Corp., Phoenix, N.Y.
Wolf Co., Chambersburg, Pa.
Wood's (T. B.) Sons Co., Chambersburg, Pa.

COUPLINGS, HOSE

Allen (W. D.) Mfg. Co., Chicago, Ill. "Bull Dog," "Evanston"
American Brass & Copper Co., 80 Lafayette, New York, N. Y.
Anderson (G. A.) Mfg. Co., Baltimore, Md.
Bignall Co., Medina, N. Y.
Buckeye Iron & Brass Wks., Dayton, O.
Continental Rubber Wks., Erie, Pa.
Crane Co., Chicago, Ill.
Dallett (Thos. H.) Co., Philadelphia, Pa.
Diamond Rubber Co., Akron, O.
Durst Mfg. Co., 468 B'way, New York, N. Y.
Franklin Tool Co., Buffalo, N. Y.
Goodrich (B. F.) Rubber Co., Akron, O.
Grinnell Co., Providence, R. I.
Haydenville Co., Haydenville, Mass.
Hewitt-Gutta Percha Rubber Corp., Buffalo, N. Y.
Hoffmann (B.) Mfg. Co., Milwaukee, Wis.
Hunt (C. B.) & Son, Salem, O. "Quick as Wink"
Instant Sales Co., 2926 Telegraph Av., Berkeley, Cal.
Keystone Brass & Rubber Co., Phila., Pa.
Livingston Mfg. Co., Rockland, Me.
Manco Mfg. Co., Bradley, Ill.
Medina Stamping & Mach. Co., Medina, N. Y.
Milburn (Alexander) Co., Baltimore, Md.
Morse (Andrew J.) & Son Co., Boston, Mass.
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O.
Nelson (L. R.) Mfg. Co., Peoria, Ill.
Niedners (Chas.) Sons Co., Malden, Mass.
Oil Well Supply Co., Pittsburgh, Pa.
Powell (Wm.) Co., Cincinnati, O.
Rauch Mfg. Co., Galena, Kan. "Eureka," "Reliable"
Romort Mfg. Co., Oakfield, Wis.
Ross Sprinkler Co., Pasadena, Cal.
Schlangen Mfg. Co., Chicago, Ill. "Clincher," "Underwriters"
Schrader's (A.) Son, 470 Vanderbilt Av., B'klyn, N. Y.
Scovill Mfg. Co., Waterbury, Conn.
Sherman (H. B.) Mfg. Co., Battle Creek, Mich.
Titflex Metal Hose Corp., Badger Av., Newark, N. J.
Walworth Co., Statler Bldg., Boston, Mass.
Waterbury Brass Goods Corp., Waterbury, Conn.
Waterbury Mfg. Co., Waterbury, Conn.

COUPLINGS, Pipe

Byers (A. M.) Co., Pittsburgh, Pa.
Capitol Mfg. & Supply Co., Columbus, O.
Dart (E. M.) Mfg. Co., Providence, R. I.
General Brass Co., Detroit, Mich.
Graber Mfg. Co., Cleveland, O.
Keystone Coupling Co., Pittsburgh, Pa.
Lincoln Brass Wks., Detroit, Mich.
Lunkenheimer Co., Cincinnati, O.
Reading Iron Co., Reading, Pa.
Walworth Co., Statler Bldg., Boston, Mass.

COUPLINGS, Rope—See Clamps, Rope

COVER HOLDERS—See Holders, Cover

COVER KNOBS—See Knobs, Cover, Cooking Utensil

COVERING, Floor—See Linoleum; also Oilcloth

COVERING, Pipe

Acme Asbestos Covering & Flooring Co., Chicago, Ill.
National Asbestos Mfg. Co., 163 Henderson, Jersey City, N. J. "Color-Bestos," "Never-Freeze," "Sweat Proof"
Standard Asbestos Mfg. Co., Chicago, Ill.

COVERING, Wall

Congoleum-Dairn, Inc., Kearny, N. J. "Sealex"

COVERS, Can, Ash and Garbage

National Enameling & Stamping Co., Milwaukee, Wis.
Sexton Can Co., Everett, Mass.
Witt Cornice Co., 2114 Winchell Av., Cincinnati, O.
Woodworth Specialties Co., Binghamton, N. Y. (Self-Closing)

COVERS, Cooking Utensil

Aluminum Cooking Utensil Co., New Kensington, Pa. "Wear-Ever"
Aluminum Goods Mfg. Co., Manitowoc, Wis. "Mirro," "Viko"
American Aluminum Mfg. Co., Lemont, Ill. "American Maid"
American Can Co., 230 Park Av., New York, N. Y.
Atlanta Stove Wks., Atlanta, Ga.
Kewaskum Aluminum Co., Kewaskum, Wis.
Landers, Frary & Clark, New Britain, Conn. "Aladdin"
Lawson (F. H.) Co., Cincinnati, O. "Lawco"
Metal Ware Corp., Two Rivers, Wis. "Pilgrim Ware"
National Enameling & Stamping Co., Milwaukee, Wis.
Royal Mfg. Co., Phila., Pa.
Savory, Inc., 591 Ferry, Newark, N. J.
Schlueter Mfg. Co., St. Louis, Mo.
Stratton & Terstegge Co., Inc., Mfg. Div., Louisville, Ky. "Falls City"
Stuber & Kuck Co., Peoria, Ill.
Troy Stamping Co., Troy, N. Y.
Up-to-Date Machine Wks., Chicago, Ill. "Stakover"
Wagner Mfg. Co., Sidney, O.
Washburn Company, Worcester, Mass.
West Bend Aluminum Co., West Bend, Wis.

COVERS, Gun—See Cases, Gun

COVERS and PADS, Ironing Board

Excelsior Quilting Co., 12th and 6th Av., Long Island City, N. Y. "Rid-Jid"
Illinois Specialty Co., Tuscola, Ill.
Ritzenthaler (John), 73 Franklin, New York, N. Y. "Ritz"
Tate (E. H.) Mop & Cordage Co., Boston, Mass.
Thermwool Products Co., Inc., 360 Furman, B'klyn, N. Y. "Servall"
Welmaid Mfg. Corp., Chicago, Ill. "Lamco"
Winter (Oscar), Phila., Pa. "Keystone"

COVERS, Kettle—See Covers, Cooking Utensil

COVERS, Laundry Tray

Enamel Products Co., Cleveland, O. "Tepco"

COVERS, Man-Hole

Avondale Stove & Fdry. Co., Birmingham, Ala.
Covert (H. W.) Co., 229 E. 37th, New York, N. Y.
Fiske (J. W.) Iron Wks., 78 Park Pl., New York, N. Y.
Flockhart Foundry Co., 83 Polk, Newark, N. J.
Klauer Mfg. Co., Dubuque, Ia.
Laurelton Fdry. Co., Laurelton, Pa.
Leavitt Mfg. Co., Urbana, Ill.
Logan Co., Louisville, Ky.
Majestic Co., Huntington, Ind.
Marion Machine, Fdry. & Supply Co., Marion, Ind.
Mobile Pulley & Machine Wks., Mobile, Ala.
Pech (Gus) Fdry. & Mfg. Co., Le Mars, Ia.
Price-Evans Foundry Corp., Chattanooga, Tenn.
Ravenna Furnace & Heating Co., Ravenna, O.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Swett (A. L.) Iron Works, Medina, N. Y.
Wyatt (F.) Mfg. Co., Salina, Kan.

COVERS, Pot—See Covers, Cooking Utensil

COVERS, Racket, Tennis

Atlantic Products Corp., Trenton, N. J.
Atlas Specialty Mfg. Co., Chicago, Ill.
Brauer Bros., Inc., St. Louis, Mo. "Cantrip"
Brine (Jas. W.) Co., Boston, Mass.
Dafoe-Eustice Co., Detroit, Mich.
Draper-Maynard Co., Plymouth, N. H.
Goldsmith's (P.) Sons, Cincinnati, O.
Nathan Products Corp., 2157 Prospect Av., New York, N. Y.
Ohio Top Co., Cincinnati, O.
Post Mfg. Co., 264 Canal, New York, N. Y.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.) Wright & Ditson Co., Phila., Pa.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stall & Dean Mfg. Co., Brockton, Mass.
Warren Leather Goods Co., Worcester, Mass.

COVERS, Rifle—See Cases, Gun

COVERS, Rod—See Cases, Rod

COVERS, Stack, Hay, Etc.

Akron Tent & Awning Co., Akron, O.
Atlanta Tent & Awning Co., Atlanta, Ga.
Buckeye Tent, Awning & Mfg. Co., Columbus, O.
Canvas Products Co., St. Louis, Mo.
Clifton Mfg. Co., Waco, Tex.
Crawford-Austin Mfg. Co., Waco, Tex.
Dafoe-Eustice Co., Detroit, Mich.
Daniels (C. R.), Inc., 101 Crosby, New York, N.Y. "Dandux"
Fulton Bag & Cotton Mills, Inc., 330 Wythe Av., B'klyn, N. Y.
Hettrick Mfg. Co., Toledo, O.
Hettrick (W. E.) & Son, Inc., Toledo, O. "Het-Son"
Malis Supply Co., Inc., Phila., Pa.
Martin Metal Mfg. Co., Wichita, Kan.
Nebraska Tent & Awning Co., Omaha, Neb.
Peoria Tent & Awning Co., Peoria, Ill.
Sabey (Fred F.) Co., Rochester, N. Y.
Seick Tent & Awning Co., Des Moines, Ia.
Springfield Tent & Awning Co., Springfield, O.
Tucker Duck & Rubber Co., Fort Smith, Ark.
U. S. Tent & Awning Co., Chicago, Ill.
Werner Canvas Products Co., 2 Water, B'klyn, N.Y.
Wilcox (M. I.) Co., Toledo, O.

COVERS, Wash Tub

Enamel Products Co., Cleveland, O. "Tepco"
Marietta Hollow-Ware & Enameling Co., Marietta, Pa.
National Enameling & Stamping Co., Milwaukee, Wis.
Vitreous Enameling Co., Cleveland, O.

COW BELL STRAPS—See Straps, Leather

COW BELLS—See Bells, Cow and Sheep

COW HOBBLE—See Kickers, Cow Anti-

COW KICKERS, Anti—See Kickers, Cow, Anti-

COW STALLS—See Stalls and Stanchions, Cow and Bull

COW STANCHIONS—See Stalls and Stanchions, Cow and Bull

COW TAIL HOLDERS—See Holders, Tail, Cow

COW TIES—See Ties, Cattle

COW WATERING BOWLS—See Bowls, Watering, Cow

CRAB TRAPS—See Traps, Crab

CRACKERS and PICKS, Nut

Arcade Mfg. Co., Freeport, Ill. "Standard," "Universal"
Franklin Tool Co., Buffalo, N. Y. "Krushnon"
Gray Iron Foundry Co., Reading, Pa.
Grey Iron Casting Co., Mt. Joy, Pa.
Henckels (J. A.), Inc., 456 4th Av., New York, N.Y. "Twin Brand," "Welkut"
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass.
Landers, Frary & Clark, New Britain, Conn. "Universal"
Malleable Iron Fittings Co., Branford, Conn. "Perfection"
Morse Mfg. Co., Syracuse, N. Y. "Krak-A-Nut"
New Standard Corp., Mt. Joy, Pa.
Osborne (C. S.) & Co., Box 183, Newark, N. J.
Quackenbush, H. M., Herkimer, N. Y.
Spurlin Plating Co., Waco, Tex. "Perfection"
Stearns (E. C.) & Co., Syracuse, N. Y. "Krackit," "Stearns Ecsco"
Stover Mfg. & Engine Co., Freeport, Ill.
Washburn Company, Worcester, Mass. "Bull Dog," "Laura," "May," "Pride"
Woldert (Alex.) Co., Tyler, Tex. "Squirrel"
Wrightsville Hdw. Co., Wrightsville, Pa. "Brighton"

CRADLES, Doll—See Beds, Doll

CRANES, Ash—See Hoists, Ash

CRATE OPENERS—See Openers, Crate

CRATES, Baby Chick

Kline Mfg. Co., Burlington, Ia.

CRAYON HOLDERS—See Holders, Crayon

CRAYON SETS—See Sets, Crayon

CRAYONS

(See also Chalk)

Adams (D. C.), St. Louis, Mo.
American Crayon Co., Sandusky, O. "Old Faithful"
American Lead Pencil Co., Hoboken, N. J.
Binney & Smith Co., 1 E. 42d, New York, N. Y. "Crayola"
Blaisdell Pencil Co., Phila, Pa.
Cohutta Talc Co., Dalton, Ga.
Dixon (Jos.) Crucible Co., Wayne & Monmouth, Jersey City, N. J.
Faber (Eberhard), 37 Greenpoint Av., B'klyn, N.Y.
Globe Crayon Co., 233 37th, B'klyn, N. Y.
Standard Crayon Mfg. Co., Danvers, Mass.
Weber Costello Co., Chicago Heights, Ill.

CRAYONS, Checking

American Crayon Co., Sandusky, O. "Old Faithful"
Binney & Smith Co., 41 E. 42d., New York, N. Y. "Staonal"
Dixon (Jos.) Crucible Co., Wayne & Monmouth, Jersey City, N. J.
Standard Crayon Mfg. Co., Danvers, Mass.

CRAYONS, Lumber

Adams, D. C., St. Louis, Mo.
American Crayon Co., Sandusky, O. "Old Faithful"
Binney & Smith Co., 41 E. 42d, New York, N. Y. "Staonal," "Graphite"

CRAYONS, Lumber (Continued)

Blaisdell Pencil Co., Phila., Pa.
Cleveland Rule Co., Cleveland, O.
Dietzgen (Eugene) Co., Chicago, Ill.
Dixon (Jos.) Crucible Co., Wayne & Monmouth, Jersey City, N. J.
Standard Crayon Mfg. Co., Danvers, Mass.
Standard Oil Co. of N. J., 26 B'way, New York, N. Y. "Gem," "Superior"

CRAYONS, Metal Workers

Adams, D. C., St. Louis, Mo.
American Crayon Co., Sandusky, O. "Old Faithful"
Binney & Smith Co., 41 E. 42d, New York, N. Y. "Pyrotalcal"
Cohutta Talc Co., Dalton, Ga.
Dietzgen (Eugene) Co., Chicago, Ill.
Dixon (Jos.) Crucible Co., Wayne & Monmouth, Jersey City, N. J.
Globe Crayon Co., 233 37th, B'klyn, N. Y.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.

CRAYONS, Mill

American Crayon Co., Sandusky, O. "Old Faithful"
Binney & Smith Co., 41 E. 42d, New York, N. Y.
Dixon (Jos.) Crucible Co., Wayne & Monmouth, Jersey City, N. J.
Globe Crayon Co., 233 37th, B'klyn, N. Y.
Standard Crayon Mfg. Co., Danvers, Mass.

CRAYONS, Railroad

American Crayon Co., Sandusky, O. "Old Faithful"
Binney & Smith Co., 41 E. 42d, New York, N. Y.
Dixon (Jos.) Crucible Co., Wayne & Monmouth, Jersey City, N. J.
Globe Crayon Co., 233 37th, B'klyn, N. Y.
Standard Crayon Mfg. Co., Danvers, Mass.
Union Crayon Co., Lowell, Mass.

CRAYONS, Toy

American Crayon Co., Sandusky, O.

CREAM COOLERS—See Coolers, Milk and Cream

CREAM, Insect

Enterprise Mfg. Co., Dept. HA, Akron, O. "Pfluegers Shoofly"

CREAM SEPARATORS—See Separators, Cream

CREAM TESTERS—See Testers, Milk and Cream

CREAM WHIPS—See Beaters and Whips, Egg, Cream, etc.

CREEPERS, Ice

Churchill Mfg. Co., Lowell, Mass. "Featherweight"
Collis (H. J.) Mfg. Co., Taunton, Mass.
Hetherington Co., Piqua, O. (Straps)
Norlund (O. A.) Co., Williamsport, Pa.
Sayre (L. A.) Co., 332 Mulberry, Newark, N. J.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Thomson (Judson L.) Mfg. Co., Waltham, Mass. "Never Slip"
Union Hdw. Co., Torrington, Conn.

CREMONE BOLTS—See Bolts, Cremone

CRESTINGS AND FINIALS—See Finials and Crestings

CRIBBAGE GAME BOARDS—See Boards, Cribbage Game

CRIBS, Corn

American Steel & Wire Co., 208 S. La Salle, Chicago, Ill. "American," "Prairie"
Beatrice Steel Tank Mfg. Co., Beatrice, Neb. "Nu-Way"
Butler Mfg. Co., Kansas City, Mo.
Clippinger (A. B.) & Sons Mfg. Co., Kansas City, Kan.
Dickelman Mfg. Co., Forest, O.
Freeland Sons Co., Sturgis, Mich.
Hastings Equity Grain Bin Mfg. Co., Hastings, Neb.
Hudson (H. D.) Mfg. Co., Chicago, Ill.
Illinois Wire & Mfg. Co., Joliet, Ill. "Denning" (Portable)
Keystone Steel & Wire Co., Peoria, Ill.
Martin Steel Products Co., Mansfield, O. "Corn-Saver"
National Fire Proofing Co., Pittsburgh, Pa. "Natco"
Northfield Iron Co., Northfield, Minn.
Northwestern Barb Wire Co., Inc., Sterling, Ill.
Pioneer Mfg. Co., Middlebury, Ind.
Pittsburgh Steel Co., Union Trust Bldg., Pittsburgh, Pa.
Star Tank Co., Goshen, Ind.
Thomas-Armstrong Co., London, O. "Buckeye"
Twin City Separator Co., Minneapolis, Minn.
Von Steen (John H.) Co., Beatrice, Neb.
Younce Co., Union, O. "Economy"

CRICKET BALLS—See Balls, Cricket

CRICKET BATS—See Bats, Cricket

CRIMPERS, Cap

Atlas Powder Co., Wilmington, Del.
Ensign-Bickford Co., Simsbury, Conn.
Giant Powder Co., San Francisco, Cal.

CRIMPERS, Pipe

Kohler Mfg. Co., Pittsburgh, Pa.
Niagara Mach & Tool Wks., Buffalo, N. Y.
Packham Crimper Co., Mechanicsburg, O. (Sheet Metal)
Peck, Stow & Wilcox Co., Southington, Conn.

CROCKERY CEMENT—See Cement, China, Crockery, Glass, etc.

CROCKS, Stoneware—See Ware, Stone

CROKINOLE GAMES—See Games, Carrom

CROQUET BALLS—See Balls, Croquet

CROQUET SETS—See Games, Croquet

CROSS-CUT SAW HANDLES—See Handles, Saw, Cross-Cut

CROSS-CUT SAWS—See Saws, Cross-Cut

CROW BARS—See Bars, Crow

CROW CALLS—See Calls, Crow

CRUDE OIL ENGINES—See Engines, Oil, Crude

CRULLER CUTTERS—See Cutters, Biscuit, Doughnut, etc.

CRUMB BRUSHES—See Brushes, Crumb

CRUMB SCRAPERS—See Trays, Crumb

CRUMB SWEEPERS—See Sweepers, Crumb

CRUMB TRAYS—See Trays, Crumb

CRUTCH TIPS—See Tips, Chair and Crutch

CRYING DOLLS—See Dolls, Talking

CUES, Billiard

Bogert & Hopper, 223 Varick, New York, N. Y.
Brunswick-Balke-Collender Co., Chicago, Ill.
Burrowes (E. T.) Co., Portland, Me.
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Shardlow Mfg. Co., 72 Murray, New York, N. Y.
Stiles (H. A.) & Co., Boston, Mass.

CUFFS, Hand—See Handcuffs, Twisters, Leg Irons, Etc.

CULINARY FORKS—See Forks, Culinary

CULTIVATOR HOES—See Hoes, Cultivator

CULTIVATORS, Garden

Acme-Springfield Planter Co., Springfield, O.
Allen (S. L.) & Co., Phila., Pa. "Iron King," "Planet, Jr."
American Fork & Hoe Co., Cleveland, O. "Invincible," "Standard," "True Temper"
Atlantic Mach. & Mfg. Co., Cleveland, O. "Merry Garden"
Avery (B. F.) & Sons, Louisville, Ky.
Barker Mfg. Co., David City, Neb.
Bridgewater Plow Corp., Bridgewater, Va. "Superior"
Brown-Manly Plow Co., Malta, O. "Fair." "Rival"
Brown Mfg. Co., Zanesville, O. "Dixie," "Perfection"
Bullock (O. M.) Co., Oakland, Cal.
C-K-R Company, Cleveland, O. "Cultiho"
Crescent Forge & Shovel Co., Havana, Ill.
E. Z. Lawn Edger Co., Los Angeles, Cal. (Weeder & Cultivator)
Empire Plow Co., Cleveland, O.
Fairfield Plow Wks., North Fairfield, O. "Rural," "Wizard"
Farm Tools, Inc., Mansfield, O.
Geyer Mfg. Co., Rock Falls, Ill.
Hall Mfg. Co., Cedar Rapids, Ia.
Harriman Mfg. Co., Harriman, Tenn. "Fowler"
Herschel (R.) Mfg. Co., Peoria, Ill.
Hudson (H. D.) Mfg. Co., Chicago, Ill. "Blocki," "Right Way"
Kelly (G. A.) Plow Co., Longview, Tex.
Kingbury Mfg. Co., Keene, N. H.
Le Roy Plow Co., Le Roy, N. Y.
Moore Plow & Implement Co., Greenville, Mich. "Junior," "Liberator," "Moore-Easy," "Senior"
Norcross (C. S.) & Sons, Bushnell, Ill. (Hand & Wheel)
Ohio Cultivator Co., Bellevue, O. "Climax," "Dexter," "Skaboo"
Rowe Mfg. Co., Galesburg, Ill. "RO-HO" (Combination)
Sheboygan Mach. Co., Sheboygan, Wis. "Blocki"
Thieman Harvester Co., Inc., Albert City, Ia.
Union Fork & Hoe Co., Columbus, O. "Speedy," "Victory"

CUP HOOKS—See Hooks, Cup

CUPBOARD CATCHES—See Catches, Cupboard, Door, Screen Door, etc.

CUPBOARD TURNS—See Catches, Cupboard, Door, Screen Door, etc.

CUPOLAS, Barn—See Ventilators and Cupolas, Barn

CUPS, Caster

Acme Metal Goods Mfg. Co., 2 Orange, Newark, N. J.
Bassick Co., Bridgeport, Conn. "No-Mar"
Brock Glass Co., Ltd., Santa Ana, Cal.
Canton Glass Co., Marion, Ind.
Elastic Tip Co., Boston, Mass.
Ennis Mfg. Co., Reading, Pa.
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Hazel-Atlas Glass Co., Wheeling, W. Va. "Flint"
Hocking Glass Co., Lancaster, O.
National Brass Co., Grand Rapids, Mich.
Onward Mfg. Co., Menasha, Wis.
Rodale Mfg. Co., Inc., Emaus, Pa.
Stiles (H. A.) & Co., Boston, Mass.
Technical Products Co., Pittsburgh, Pa. "Sanifeet"
Wagner Specialty Co., Burlington, Wis. "Kleen Rest"

CUPS, Dice

Alward-Anderson-Southard Co., Chicago, Ill.
Baltimore Leather Goods Co., Baltimore, Md.
Bogert & Hopper, 223 Varick, New York, N. Y.
Brauer Bros., Inc., St. Louis, Mo.
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Lefkowitz (Louis) & Bro., 1 Greene, New York, N. Y.
Rome Sporting Goods Mfg. Co., Rome, N. Y.
Stiles (H. A.) & Co., Boston, Mass.
Western Mfg. Co., San Francisco, Cal.
Wyeth Hdw. & Mfg. Co., St. Joseph, Mo.

CUPS, Drinking

Aluminum & Metal Products Co., Buffalo, N. Y. "Magic"
Doylestown Aluminum Ware Co., Doylestown, O.
Fargo Aluminum Co., Taunton, Mass. (Collapsible)
Metal Goods Corp., St. Louis, Mo.
National Enameling & Stamping Co., Milwaukee, Wis.
National Sheet Metal Co., Peru, Ill.
Stratton & Terstegge Co., Inc., Mfg. Div., Louisville, Ky. "Falls City" (Tin)
Stuber & Kuck Co., Peoria, Ill.
U. S. Stamping Co., Moundsville, W. Va.
Washburn Company, Worcester, Mass.

CUPS, Drinking, Paper

American Lace Paper Co., Milwaukee, Wis.
American Paper Goods Co., Kensington, Conn. "Puritan"
Brown Bag Filling Mach. Co., Fitchburg, Mass. (Flat)
Burt (F. N.) Co., Buffalo, N. Y.
Cremoline Co., Inc., St. Louis, Mo.
Dennison Mfg. Co., Framingham, Mass.
Individual Drinking Cup Co., Easton, Pa. "Dixies"
Lily-Tulip Cup Corp., 122 E. 42nd, New York, N. Y.
Milwaukee Lace Paper Co., Milwaukee, Wis.
Spangler (E. J.) Co., Phila., Pa.
Vortex Mfg. Co., Chicago, Ill.
Wayne Paper Goods Co., Ft. Wayne, Ind.

CUPS, Feeding

United States Stamping Co., Moundsville, W. Va.

CUPS, Force

Aetna Rubber Co., Ashtabula, O.
American Standard Mfg. Co., Chicago, Ill.
Auburn Leather Goods Co., Hartford, Conn. "Algco"
Autoquip Mfg. Co., Inc., Rochester, N. Y. "Handy Plumber"
Canfield (H. O.) Co., Bridgeport, Conn.
Canfield Rubber Co., Bridgeport, Conn. "Junior"
Chicago Specialty Mfg. Co., Chicago, Ill.
Coleman (Allan J.), Chicago, Ill.
Durst Mfg. Co., 468 B'way, New York, N. Y. "Dumaco"
Elastic Tip Co., Boston, Mass.
Elkhart Rubber Wks., Elkhart, Ind.
Fernald Mfg. Co., North East, Pa. "Big Giant," "Little Giant"
Goodrich (B. F.) Rubber Co., Akron, O. "Diamond"
Goodyear Tire & Rubber Co., Inc., Akron, O.
Keystone Brass & Rubber Co., Phila., Pa.
Laurel Co., Garfield, N. J. "Superba"
Miller, Chas. E., Anderson Rubber Wks., Anderson, Ind.
Pennsylvania Rubber Co. of America, Inc., Jeannette, Pa.
Phoenix Mfg. Co., Joliet, Ill.
Quaker City Rubber Co., Phila., Pa. "All-in-One"
Rodale Mfg. Co., Inc., Emaus, Pa.
Schacht Rubber Mfg. Co., Huntington, Ind.
Silvers Mfg. Co., Waterloo, Ia. "Air-Shot"
Tillinghast (B. C.) Rubber Co., Inc., Phila., Pa.
U. S. Rubber Co., 1790 B'way, New York, N. Y.

CUPS, Grease and Oil

Advance Packing & Supply Co., Chicago, Ill. (Glass)
Allen (W. D.) Mfg. Co., Chicago, Ill. "Pease," "Yankee"
American Brass Novelty Co., Grand Haven, Mich.
American Injector Co., Detroit, Mich. "Star," "Sure-feed"
American Safety Lamp & Mine Supply Co., Scranton, Pa.
American Stamping Co., Battle Creek, Mich. "Universal"
Ansonia Mfg. Co., Ansonia, Conn.
Bassick Co., Bridgeport, Conn.
Bay State Stamping Co., Worcester, Mass. "Bennett," "Handy"
Bowen Products Corp., Auburn Div., Auburn, N. Y. "Empress"
Buckeye Iron & Brass Works, Dayton, O.
Champion Mfg. Co., Chicago, Ill. "Oil-O-Matic"
Cook's (Adam) Sons, Inc., Elizabeth Av., Linden, N.J. "Albany"
Crane Co., Chicago, Ill.
Detroit Lubricator Co., Detroit, Mich.
Edelmann (E.) & Co., Chicago, Ill.
Essex Brass Co., Detroit, Mich.
Gits Bros. Mfg. Co., Chicago, Ill.
Greist Mfg. Co., New Haven, Conn. "Noreca"
Hardy Products Corp., 196 Water, New York, N. Y. "Conus"
Hunter Pressed Steel Co., 400 Pierce, Lansdale, Pa. "Airspring," "Gravity," "Rotary," "Shurflo," "Uniflow"
Imperial Brass Mfg. Co., 1200 W. Harrison, Chicago, Ill.
Justrite Mfg. Co., Chicago, Ill.
K.-M. Mfg. Co., Toledo, O.
Link-Belt Co., Chicago, Ill. "Hextop"
Lunkenheimer Co., Cincinnati, O. "Atlas," "Cardinal," "Gem," "Ideal," "Jewel," "Lion," "Majestic," "Mite," "Owl," "Pioneer," "Primo," "Reliance," "Royal," "Securo," "Sentinel," "Surety," "Tiger," "Wingo"
Madison-Kipp Corp., Madison, Wis.
Milwaukee Valve Co., Milwaukee, Wis.
National Brass Mfg. Co., Rochester, N. Y.
Newton Mfg. Co., Plainville, Conn. "Newcup"
Ohio Injector Co., Wadsworth, O. "Chicago"
Penberthy Injector Co., Detroit, Mich. "Samson," "Saturn," "Senator," "Siren"
Powell (Wm.) Co., Cincinnati, O.
Rich Mfg. Co., Boston, Mass. "No-Ta," "Phillip's"
Richardson-Phenix Co., Milwaukee, Wis.
Sherman (H. B.) Mfg. Co., Battle Creek, Mich.
Tucker (W. W. & C. F.), Inc., Hartford, Conn.
Vibra Automatic Oil Cup Co., Phila., Pa.
Walworth Co., Statler Bldg., Boston, Mass.
Waterbury Mfg. Co., Waterbury, Conn.
Whitehouse (E. A.) Mfg. Co., 44 Elm, Newark, N. J.
Williams (D. T.) Valve Co., Cincinnati, O. "Daisy," "Dakota," "Dandy," "Derby," "Diana," "Dixie," "Dragon," "Duchess," "Duke," "Dwarf"

CUPS, Measuring

Aluminum & Metal Products Co., Buffalo, N. Y. "Magic"
Aluminum Goods Mfg. Co., Manitowoc, Wis.
Bogert & Hopper, 223 Varick, New York, N. Y.
Canton Glass Co., Marion, Ind. "Kanton"
Chapman, C. A., Geneva, N. Y.
Corning Glass Wks., Corning, N. Y. "Pyrex"
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Fry (H. C.) Glass Co., Rochester, Pa.
Imperial Glass Co., Bellaire, O.
Katzinger (Edward) Co., Chicago, Ill. "Mary Ann"
Lalance & Grosjean Mfg. Co., Woodhaven, L. I., N. Y.
National Enameling & Stamping Co., Milwaukee, Wis.
Sneath Glass Co., Hartford City, Ind.
United States Glass Co., Pittsburgh, Pa.
Washburn Company, Worcester, Mass.

CUPS, Paper—See Cups, Drinking, Paper

CUPS, PLUMBERS' FORCE—See Cups, Force

CURLING IRON HEATERS—See Heaters, Curling Iron

CURLING IRONS—See Irons, Curling

CURRY COMBS—See Combs, Curry

CURTAIN and DRAPERY HARDWARE—See Hardware, Curtain and Drapery

CURTAIN FASTENERS—See Fasteners, Curtain

CURTAIN POLE BRACKETS—See Brackets, Pole, Curtain

CURTAIN POLE ENDS—See Ends, Curtain Pole

CURTAIN POLE RINGS—See Rings, Pole, Curtain

CURTAIN POLE and ROD SOCKETS—See Sockets, Pole and Rod, Curtain

CURTAIN RODS—See Rods, Curtain

CURTAINS, SHOWER

Acme Shower Curtain Co., Chicago, Ill. "Aqua-Tex," "Craf-Tex," "Georgene"
Carb Mfg. Co., 308 Johnson, B'klyn, N. Y. "Carb-Craft"
Kaplan, Joseph, 1107 B'way, New York, N. Y. "Hygrade"
Kleinert Rubber Co., 485 5th Av., New York, N. Y.
Meneley-Diederich Co., Inc., Los Angeles, Cal.
Nopinseal Rubber Corp., 32 W. 22nd, New York, N. Y.
Para Rubber Co., 341 Halsey, Newark, N. J.
Sanitary-Dash Corp., 121 W. 19th, New York, N. Y.
Vulcatex, Inc., Chicago, Ill. "Protexwell"

CURTAIN STRETCHER CLAMPS—See Clamps, Frame, Quilt

CURTAIN STRETCHERS—See Stretchers, Curtain

CUSPIDORS

Aldrich Mfg. Co., Buffalo, N. Y.
Almo Trading & Importing Co., Inc., 61 E. 11th, New York, N. Y. (Indurated Fibre)
American Metal Ware Co., Chicago, Ill.
Arcade Mfg. Co., Freeport, Ill.
Bellaire Enamel Co., Bellaire, O. "Beco"
Buckeye Aluminum Co., Wooster, O. "Real Solid"
Burley & Winter Pottery Co., Crooksville, O.
Cheney (S.) & Son, Manlius, N. Y.
Cleveland Wire Spring Co., Cleveland, O.
Columbia Enameling & Stamping Co., Terre Haute, Ind.
Detroit Metal Specialty Corp., Detroit, Mich. "Metal-Bilt" (Brass)
Dover Stamping & Mfg. Co., Cambridge, Mass.
Doylestown Aluminum Ware, Doylestown, O.
Excelsior Brass Wks., Reading, Pa.
Farber, S. W., 141 S. 5th, B'klyn, N. Y.
Faries Mfg. Co., Decatur, Ill. (Brass)
Geuder, Paeschke & Frey Co., Milwaukee, Wis.
Gould-Mersereau Co., 189 Lexington Av., New York, N. Y.
Illinois Pure Aluminum Co., Lemont, Ill "American Maid"
Lawson (F. H.) Co., Cincinnati, O. "Lawco"
Lisk Mfg. Co., Ltd., Canandaigua, N. Y.
Marietta Hollow Ware & Enameling Co., Marietta, Pa.
National Enameling & Stamping Co., Milwaukee, Wis.
National Sheet Metal Co., Peru, Ill.
New York Stamping Co., N. 11th & Berry Sts., B'klyn, N. Y.
Pfalzgraff Pottery Co., York, Pa.
Pittsburg Pottery Co., Pittsburg, Kan.
Porter (C. B.) Co., Phila., Pa.
Ray (Geo. A.) Mfg. Co., Buffalo, N. Y.
Robeson-Rochester Corp., Rochester, N. Y. "Royal Rochester"
Rostand Mfg. Corp., Milford, Conn.
Savory, Inc., 591 Ferry, Newark, N. J.
Schlueter Mfg. Co., St. Louis, Mo. "Jewel"
South Bend Foundry Co., South Bend, Ind.
Stratton & Terstegge Co., Inc., Mfg. Div., Louisville, Ky. "Falls City"
Thompson (C. C.) Pottery Co., East Liverpool, O.
United Mfg. Co., Inc., Philadelphia, Pa.
U. S. Stamping Co., Moundsville, W. Va.
Vogel (Wm.) & Bros., 37 S. 9th, B'klyn, N. Y.
Vollrath Co., Sheboygan, Wis. "Perfection"
Weller Hdw. & Foundry Co., Horseheads, N. Y.
Western Metal Spinning Wks., Chicago, Ill.
Wheeling Corrugating Co., Wheeling, W. Va.

CUTLERY—See article desired

CUTLERY PAPER BOXES—See Boxes, Paper, Cutlery, Etc.

CUTLERY, Table, Steel, Stainless, Silver Plated

International Silver Co., Meriden, Conn.
Northampton Cutlery Co., Northampton, Mass.
Oneida Community, Ltd., Oneida, N. Y.

CUT NAILS—See Nails, Cut

CUT-OFFS, Rain Water

Allred Mfg. Co., Inc., Indianapolis, Ind. "Centennial"
Berger Mfg. Co., Canton, O.
Braden Mfg. Co., Terre Haute, Ind. "Perfection"
Edwards Mfg. Co., Cincinnati, O.
Klauer Mfg. Co., Dubuque, Ia. "Perfection"
Messenger & Parks Mfg. Co., Aurora, Ill.
Milcor Steel Co., Milwaukee, Wis. "Kuhn's"
Ohio Corrugating Co., Warren, O.
Wheeling Corrugating Co., Wheeling, W. Va.
Young Mfg. Co., Bellevue, Ia.

CUTS, Advertising—See Electrotypes, for Retail Advertising

CUT SOLES—See Soles and Heels

CUT SPIKES—See Spikes, Cut

CUTTERS, Bar—See Cutters, Rod, Wire and Bar

CUTTERS, Biscuit, Doughnut, Etc.

Aluminum & Metal Products Co., Buffalo, N. Y. "Magic"
Aluminum Goods Mfg. Co., Manitowoc, Wis.
American Can Co., 230 Park Av., New York, N. Y.
American Cutter Co., Milwaukee, Wis. "Rollemout" (Rotating)
Fargo Aluminum Co., Taunton, Mass.
Geuder, Paeschke & Frey Co., Milwaukee, Wis. "Cream City"
Katzinger (Edward) Co., Chicago, Ill.
Kreamer (A.), Inc., 307 Kent Av., B'klyn, N. Y.
National Enameling & Stamping Co., Milwaukee, Wis.
Royal Mfg. Co., Phila., Pa.
Savory, Inc., 591 Ferry, Newark, N. J.
Schlueter Mfg. Co., St. Louis, Mo.
Sommer (J. L.) Mfg. Co., 251 N. J. Railroad Av., Newark, N. J.
Stuber & Kuck Co., Peoria, Ill. "Uncle Sam"
United Royalties Corp., 1133 B'way, New York, N. Y. "Saturn"

CUTTERS, BOLT—See Taps and Dies; also Screw Plates; also Clippers, Bolt

CUTTERS, Bone

Fry, Ralph W., Easton, Pa. "Crown"
Mann (F. W.) Co., Milford, Mass.
Pratt (Wm. E.) Mfg. Co., Chicago, Ill. "Adam"
Stearns (E. C.) & Co., Syracuse, N. Y. "Mann's Improved Patterns," "Stearns Ecsco," "Stearns Patterns"
Stover Mfg. & Engine Co., Freeport, Ill.
Stratton Mfg. Co., Erie, Pa.

CUTTERS, Bread

Anstice (Josiah) & Co., Rochester, N. Y. "Sterling"
Bosworth (E. J.) Specialty Co., Rochester, N. Y.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Household Utilities Mfg. Corp., 1265 B'way, New York, N. Y. "K. K." (Slicer)
Jacobs Bros. Co., Inc., Washington & Water B'klyn, N. Y.
Savory, Inc., 591 Ferry, Newark, N. J.
Tru-Cut Bread Slicer Co., Toledo, O.
United Royalties Corp., 1133 B'way, New York, N. Y. "Ladd"

CUTTERS, Cake

Katzinger (Edward) Co., Chicago, Ill. "Ekco"
National Enameling & Stamping Co., Milwaukee, Wis.
Royal Mfg. Co., Phila., Pa.
Savory, Inc., 591 Ferry, Newark, N. J.
Washburn Company, Worcester, Mass.

CUTTERS, Cast Iron Pipe—See Cutters, Pipe, Cast Iron

CUTTERS, Chain

Belden Machine Co., New Haven, Conn.
Porter, H. K., Inc., Everett, Mass. "New Easy"

CUTTERS, Cheese

Corcoran Mfg. Co., Cincinnati, O. "Tru-Cut"
Goodell Co., Antrim, N. H. "Economy"
Parker Wire Goods Co., Worcester, Mass.

CUTTERS, Cookie—See Cutters, Biscuit, Doughnut, Etc.

CUTTERS, Cord—See Cutters, Rope, Cord and Twine

CUTTERS and DIES, Grommet Inserting—See Dies and Cutters, Grommet Inserting

CUTTERS, Feed

(See also Carriers, Feed)

Appleton Mfg. Co., Batavia, Ill. "New Hero"
Belle City Mfg. Co., Racine, Wis.
Buch Mfg. Co., Elizabethtown, Pa.
Cardwell Mach Co., Richmond, Va. "Genuine Smith"
Dick (Joseph) Mfg. Co., Canton, O. "Blizzard," "Famous"
Donaldson Bros., Mt. Clemens, Mich. "King"
Duplex Mill & Mfg. Co., Springfield, O.
Eagle Mach Co., Lancaster, O. "K. D.," "Master"
Eagle Mfg. Co., Appleton, Wis.
Ellis Keystone Agricultural Wks., Pottstown, Pa.
Farquhar (A. B.) Co., York, Pa. "Clipper"
Gehl Bros. Mfg. Co., West Bend, Wis. "Silberzahn"
Hamachek (Frank) Machine Co., Kewaunee, Wis. "Giant"
Harrison (W. R.) Co., Massillon, O. "Crown," "Tornado"
Heebner & Sons, Lansdale, Pa. "Union"
Hocking Valley Mfg. Co., Lancaster, O. "Geneva," "Hocking Valley," "Kokosing"
Lyon Iron Wks., Greene, N. Y. "Triumph"
Moore Plow & Implement Co., Greenville, Mich.
Mountville Mfg. Co., Mountville, Pa. "Triumph"
Papec Mach Co., Shortsville, N. Y.
Plymouth Foundry & Mach. Co., Plymouth, Wis. "Little Dandy"
Rosenthal Corn Husker Co. (West Allis), Milwaukee, Wis.
Ross Cutter & Silo Co., Springfield, O.
Rowell (I. B.) Co., Waukesha, Wis.
Salem Tool Co., Salem, O. "Silver," "Ohio," "Pony"
Smalley Mfg. Co., Manitowoc, Wis. "Electric"
Swayne, Robinson & Co., Richmond, Ind. "Money Maker"
United Engine Co., Lansing, Mich.
White's (S. R.) Sons, Norfolk, Va. "Smith's Patent"
Wilder-Strong Implement Co., Monroe, Mich. "Swing"

CUTTERS, Food—See Choppers, Meat and Food

CUTTERS, Gasket and Washer

Cincinnati Tool Co., Montgomery Rd., Cincinnati, O. "Hargrave"
Johnson (William), Inc., 36 Brenner, Newark, N. J.
Kraeuter & Co., 575 18th Av., Newark, N. J.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Mound Tool Co., St. Louis, Mo. "Century"
Osborne (C. S.) & Co., Box 183, Newark, N. J.
Stortz (John) & Son, Phila., Pa.

CUTTERS, Glass

American Saw & Mfg. Co., Springfield, Mass. "Lenox"
Barrett, Wm. L., Bristol, Conn. "I X L," "High Test," "Singer," "Standard"
Bullock Mfg. Associates, Div. of Parker Wire Goods Co., Worcester, Mass.
Diamond Tool Co., Chicago, Ill.
Ennis Mfg. Co., Reading, Pa.
Fletcher, Terry Co., Forestville, Conn. "Acme," "Gold Tip," "Quick-Tip," "Rex," "Ruby"
Hart (H. C.) Mfg. Co., Unionville, Conn. "King," "Perfect"
Hyde Mfg. Co., Southbridge, Mass.
Karelsen, E., 15 W. 44th, New York, N. Y. (Diamond)
Kilborn & Bishop Co., New Haven, Conn. "Green Line"
Millers Falls-Goodell Pratt Co., Greenfield, Mass. "Monitor"
Monce, S. G., Unionville, Conn.
Motor Industries Co., La Crosse, Wis. "Lightning" (Electric)
Phillips, F. C., Stoughton, Mass.
Reeve (H. E.) Co., Torrance, Cal. "Uprite-Cut-Rite"
Ridgely Trimmer Co., Springfield, O. "Wizard"
Russell (John) Cutlery Wks., Turners Falls, Mass.
Smith (Landon P.), Inc., 130 Coit, Irvington, N. J. "Eclipse," "Imco," "Red Devil," "Redman"
Utica Drop Forge & Tool Co., Utica, N. Y.

CUTTERS, Glass, Gage

Barrett, Wm. L., Bristol, Conn. "Standard"
Coleman, Allan, Jr., Chicago, Ill.
Diamond Tool Co., Chicago, Ill.
Fletcher, Terry Co., Forestville, Conn.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Smith (Landon P.), Inc., 130 Coit, Irvington, N. J. "Red Devil"
Worcester Brush & Scraper Co., Worcester, Mass.

CUTTERS, Ice Cube

Ice Cube Cutters, Inc., 75 West, New York, N. Y.

CUTTERS, Meat—See Cutters, Bone; also Choppers, Meat and Food

CUTTERS, Milling

Alvord-Polk Tool Co., Millersburg, Pa.
Brown & Sharpe Mfg. Co., Providence, R. I.
Cleveland Twist Drill Co., Cleveland, O.
Clough, R. M., Tolland, Conn.
Cowles Tool Co., Cleveland, O.
Goddard & Goddard Co., Detroit, Mich.
Hergi Mfg. Co., Bridgeport, Conn.
Illinois Tool Wks., Chicago, Ill.
Ingersoll Milling & Mach. Co., Rockford, Ill.
Keystone Reamer & Tool Co., Millersburg, Pa.
Modern Tool Wks., Div. of Consolidated Tool Corp. of America, Rochester, N. Y.
Morse Twist Drill & Mach. Co., New Bedford, Mass.
National Tool Co., Cleveland, O.
National Twist Drill & Tool Co., Detroit, Mich.
New Britain Tool & Mfg. Co., Inc., New Britain, Conn.
Pratt & Whitney Co., Hartford, Conn., "Curvex"
Production Tool Co. of America, Inc., Detroit, Mich.
Reed-Prentice Co., Worcester, Mass.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Screw Mach. Products Corp., Providence, R. I.
Scully-Jones & Co., Chicago, Ill. "Wear-Ever"
Standard Tool Co., Cleveland, O.
Tabor Mfg. Co., Phila., Pa. "Taylor-Newbold"
Thurston Mfg. Co., Providence, R. I. "Thurco"
Union Twist Drill Co., Athol, Mass.
Whitman & Barnes, Inc., Detroit, Mich.
Whitney Mfg. Co., Hartford, Conn.

CUTTERS, Pipe, Hand

Armstrong Bros. Tool Co., 300 N. Francisco Av., Chicago, Ill.
Armstrong Mfg. Co., Bridgeport, Conn.
Barnes Tool Co., New Haven, Conn. "Genuine Barnes"
Bonney Forge & Tool Wks., Allentown, Pa.
Collmer Bros., South Bend, Ind.
Cook, August D., Lawrenceburg, Ind.
Crown Die & Tool Co., Chicago, Ill.
Curtis & Curtis Co., Bridgeport, Conn.
Erie Tool Wks., Erie, Pa. "Barnes," "Saunders"
Greenfield Tap & Die Corp., Greenfield, Mass. "G T D"
Hollands Mfg. Co., Erie, Pa.
International Nutyp Tool Corp., Oswego, N. Y. "Improved Barnes," "Saunders"
Lucey Products Corp., 233 B'way, New York, N. Y.
Nye Tool & Mach. Wks., Chicago, Ill.
Reed Mfg. Co., Erie, Pa.
Ridge Tool Co., Elyria, O. "Ridgid"
Saunders (D.) Sons, Yonkers, N. Y.
Smith (A. P.) Mfg. Co., East Orange, N. J.
Toledo Pipe Threading Mach. Co., Toledo, O. "Vosper"
Trimont Mfg. Co., Inc., Roxbury (Boston), Mass. "Trimo"
Vanderman Mfg. Co., Willimantic, Conn.
Walworth Co., Statler Bldg., Boston, Mass.

CUTTERS, Pipe, Stove

Kohler Mfg. Co., 1923 Carson, Pittsburgh, Pa.

CUTTERS, Pipe, Wheel

Armstrong Bros. Tool Co., 300 N. Francisco Av., Chicago, Ill.
Erie Tool Wks., Erie, Pa.
Greenfield Tap & Die Corp., Greenfield, Mass. "G T D"
Hollands Mfg. Co., Erie, Pa.
International Nutyp Tool Corp., Oswego, N. Y.
Reed Mfg. Co., Erie, Pa. "Barnes," "Saunders"
Trimont Mfg. Co., Inc., Roxbury (Boston), Mass. "Trimo"

CUTTERS, Plug

Forest City Bit & Tool Co., Rockford, Ill.
Greenlee Tool Co., Rockford, Ill.
Pugh (Job T.), Inc., Phila., Pa.
Stearns (E. C.) & Co., Syracuse, N. Y. "Stearns Ecsco"
Swan (James) & Co., Seymour, Conn.

CUTTERS, Rod, Wire and Bar

Armstrong-Blum Mfg. Co., Chicago, Ill.
Belden Mach. Co., New Haven, Conn. "Bel-den"
Carolus Mfg. Co., Sterling, Ill.
Porter (H. K.), Inc., Everett, Mass. "Boston"
Ritch & Pidge Mfg. Co., Fultonville, N. Y. "Peerless"
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Tucker (W. W. & C. F.), Inc., Hartford, Conn. "Hercules"

CUTTERS, Rope, Cord and Twine

Cutter Mfg. Co. (Everett), Boston, Mass.
Garrison-Wagner Co., St. Louis, Mo.
Gillette Safety Razor Co., Boston, Mass.
Van Horn (V. J.) Co., Chicago, Ill.

CUTTERS, Slaw—See Slicers, Fruit and Vegetable

CUTTERS, Sod

Osmundson Spade Mfg. Co., Perry, Ia.
Richmond Sod Cutter Co., Richmond, Ind.
Union Fork & Hoe Co., Columbus, O.

CUTTERS, Storage Battery

Porter, H. K., Inc., Everett, Mass.

CUTTERS, Tobacco

Griswold Mfg. Co., Erie, Pa.
North Bros. Mfg. Co., Phila., Pa. "American"
Wrightsville Hdw. Co., Wrightsville, Pa.

CUTTERS, Twine—See Cutters, Rope, Cord and Twine

CUTTERS, Vegetable—See Cutters, Bone; also Choppers, Meat and Food; also Slicers, Fruit and Vegetable

CUTTERS, Washer—See Cutters, Gasket and Washer

CUTTERS, Weed

Imperial Bit & Snap Co., Racine, Wis.
Kelly Axe & Tool Wks., of American Fork & Hoe Co., Charleston, W. Va. "Perfect"
Kingston Products Corp., Kokomo, Ind. "Kokomo Kutter"
North Wayne Tool Co., Oakland, Maine. "Little Giant"
Sythax Mfg. Co., 395 S. Third, Memphis, Tenn.
Union Fork & Hoe Co., Columbus, O. "Speedy"
Wadsworth (David) & Son, Box 610, Auburn, N. Y.

CUTTERS, Wire—See Cutters, Rod, Wire and Bar

CUTTERS, Wire, Electric

Cincinnati Tool Co., Montgomery Rd., Cincinnati, O. "Hargrave"
Porter, H. K., Inc., Everett, Mass. "Boston"

CUTTING METAL MACHINES—See Machines, Cutting, Metal

CUTTING NIPPERS—See Nippers, Cutting

CUTTING TORCHES—See Torches, Brazing and Cutting

CUTTING-OFF TOOLS—See Tools, Cutting-Off

CYLINDER LOCK—See Locks, Cylinder

CYLINDERS, Well and Cistern

Aermotor Co., Chicago, Ill.
American Well Works, Aurora, Ill.
Dayton Pump & Mfg. Co., Dayton, O.
Goulds Pumps, Inc., Seneca Falls, N. Y.
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O. "Glass Seat," "Improved," "Perfect," "Seamless," (Brass, bronze, lined or polished)
Red Cross Mfg. Co., Bluffton, Ind.
Walworth Co., Statler Bldg., Boston, Mass.
Youngstown Steel Products Co., Youngstown, O. "Mark"

DADO HEADS

Atkins (E. C.) & Co., Indianapolis, Ind.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Ohlen-Bishop Co., Columbus, O.

"D" HANDLES—See Handles, "D," Steel & Wood

DAIRY PAILS—See Pails, Dairy

DAIRY SUPPLIES—See Supplies, Dairy

DAIRY THERMOMETERS — See Thermometers, Dairy

DAMPER CLIPS—See Clips, Damper

DAMPERS, Dome—See Dampers, Fireplace

DAMPERS, Fireplace

Adams Co., Dubuque, Ia.
Chattanooga Implement & Mfg. Co., Chattanooga, Tenn. "Royal"
Clark (H. W.) Co., Mattoon, Ill.
Colonial Fireplace Co., Chicago, Ill. "Colonial"
Covert (H. W.) Co., 229 E. 37th, New York, N. Y.
Donley Bros. Co., Cleveland, O.
Gabriel Steel Co., Detroit, Mich.
Homer Furnace Co., Coldwater, Mich.
Howes (S. M.) Co., Boston, Mass.
Indiana Foundry Co., Indiana, Pa.
Jackson (Edwin A.) Bros., 50 Beekman, New York, N. Y. "Jaxon"
Kalman Steel Co., Inc., Chicago, Ill.
Kewanee Mfg. Co, Kewanee, Ill.
Majestic Co., Huntington, Ia.
Peerless Mfg. Co., Louisville, Ky.
Portland Stove Fdry. Co., Portland, Me.
Stover Mfg. & Engine Co., Freeport, Ill. "Improved"
Swett (A. L.) Iron Wks., 149 Glenwood Av., Medina, N. Y.
U. S. Hardware & Mfg. Co., Pawtucket, R. I.

DAMPERS, Stove Pipe

Adams Co., Dubuque, Ia. "Diamond"
Arcade Mfg. Co., Freeport, Ill.
Cheney (S.) & Son, Manlius, N. Y.
Covert (H. W.) Co., 229 E. 37th, New York, N. Y.
Crunden (Martin) Mfg. Co., St. Louis, Mo.
Gray Iron Foundry Co., Reading, Pa.
Grey Iron Casting Co., Mt. Joy, Pa.
Griswold Mfg. Co., Erie, Pa. "American" (Reversible)
Hart & Cooley Mfg. Co., Chicago, Ill. "Federal," "H & C"
Hood Furnace & Supply Co., Corning, N. Y.
Howes (S. M.) Co., Boston, Mass. "Yanks"
Klauer Mfg. Co., Dubuque, Ia.
Mit-Shel Stamping Mfg. Co., Quincy, Ill. "Argo"
Mueller (L. J.) Furnace Co., Milwaukee, Wis.
Northwest Metal Products, Inc., Seattle, Wash.
Ohio Foundry & Mfg. Co., Steubenville, O.
Pearson Mfg. Co., Robbinsdale, Minn. (Automatic)
Savory, Inc., 591 Ferry, Newark, N. J.
Sayre Stamping Co., Sayre, Pa. "Uncle Sam"
Stover Mfg. & Engine Co., Freeport, Ill. "Red Spindle"
Wheeling Corrugating Co., Wheeling, W. Va.
Wrightsville Hdwe. Co., Wrightsville, Pa. "Brighton," "Monarch"

DAMPPROOFING

Billings-Chapin Co., 1163 E. 40th, Cleveland, O. "Drival"
Cabot (Samuel), Inc., 141 Milk, Boston, Mass.
Carey (Phillip) Co., Cincinnati, O. "Percoproof"
Glidden Co., Cleveland, O.
Hydrasial Waterproofing Co., Inc., Phila., Pa.
Integral Waterproofing Co., 300 Water, New York, N. Y.
Sherwin-Williams Co., Cleveland, O.

DANDELION PULLERS—See Pullers, Dandelion

DANDELION RAKES—See Rakes, Dandelion

DARBIES, Plasterers'

Empire Level Mfg. Co., Milwaukee, Wis.
Goldblatt Tool Co., Kansas City, Mo.
Marshalltown Trowel Co., Marshalltown, Ia.
Masons' Tool Mfg. Co., Rochester, N. Y.
Mayes Bros. Tool Mfg. Co., Port Austin, Mich. (Alum & Wood)
Sand's Level & Tool Co., Detroit, Mich.

DASH LANTERNS—See Lanterns, Dash

DAUBERS, Shoe—See Brushes, Shoe

DAUBERS, Stencil—See Brushes, Stencil

DECALCOMANIA

Meyercord Co., Chicago, Ill.
National Decalcomania Corp., Phila., Pa.
Palm Bros. Decalcomania Co., 248 W. B'way, New York, N. Y.
Palm, Fechteler & Co., 15 E. 26th, New York, N. Y. "Novar"
Sheffield Bronze Powder & Stencil Co., 5817 Kinsman Rd., Cleveland, O.
Smith-Schifflin Co., 149 Church, New York, N. Y. "Magnet"

DECALCOMANIA, Children's

Transogram Co., 200 Fifth Av., New York, N. Y.
Wells, L. C., 25 E. 26th, New York, N. Y.

DECK FILLERS—See Fillers, Seam, Deck and Hull; also Composition, Seam

DECK SCRAPERS—See Scrapers, Deck

DECORATIONS, Christmas Tree—See Ornaments, Christmas Tree

DECORATIONS, Store

Garrison-Wagner Co., 1627 Locust, St. Louis, Mo.

DECORATORS' TOOLS—See Tools, Painters' and Decorators'

DECOY ANCHORS—See Anchors, Decoy

DECOYS, Bird

Canvas Decoy Co., Union City, Tenn.
Johnson (Wm. R.) Co., Seattle, Wash.
Modern Decoy Co., New Haven, Conn.
Perdew, Chas. H., Sr., Henry, Ill.
Pratt (Wm. E.) Mfg. Co., Chicago, Ill.
Reynolds (J. W.) Decoy Factory, Forest Park, Ill. "Veri-Good"
Scott Cork Decoy, Oakland, Cal.
Specialty Mfg. Co., St. Paul, Minn. "K. D."
Tuveson Mfg. Co., Inc., St. James, Minn.

DECOYS, Duck—See Decoys, Bird

DECOYS, Goose—See Decoys, Bird

DEEP WELL WATER SUPPLY SYSTEMS—See Water Supply Systems, Deep Well

DEHORNERS

Antiseptic Products, Co., Denver, Colo. "Denver," "Little Gem," "Superior"
Leavitt Mfg. Co., Urbana, Ill. "Bull," "Newton & McGee"
Ohlen-Bishop Co., Columbus, O.
Pratt (W. E.) Mfg. Co., Chicago, Ill. "Perfect"
Rhodes Mfg. Co., Grand Rapids, Mich.
Scully, Jas., Pomeroy, Pa. "Convex," "Keystone"

DEHORNING PAINTS—See Paints, Dehorning

DEHORNING SAWS—See Saws, Dehorning

DENATURED ALCOHOL—See Alcohol, Denatured

DEPTH GAGES—See Gages, Depth

DESK LOCKS—See Locks, Chest, Drawer and Desk

DESKS, Children's

American-National Co., Toledo, O.
Andrews (A. H.) Co., Chicago, Ill. (School)
Arcade Mfg. Co., Freeport, Ill.
Gendron Wheel Co., Toledo, O.
Paris Mfg. Co., South Paris, Me.
Playskool Institute, Div. of John Schroeder Lumber Co., Milwaukee, Wis.
South Tamworth Industries, Inc., South Tamworth, N. H.
Steinfeld, Inc., 11 E. 26th, New York, N. Y.
Tennessee Red Cedar & Novelty Co., Chattanooga, Tenn.
Wausau Novelty Co., Wausau, Wis.
White (H. C.) Co., N. Bennington, Vt., "Ben-Ver," "Peerless"

DESTROYERS, Soot

Anti-Carbon Mfg. Co., Beaver Dam, Wis.
B-B Mfg. Co., Knoxville, Tenn. "Knox-Out"
Boyer Chemical Laboratory Co., Inc., Chicago, Ill. "Zinc"
Chimnee Sweep Mfg. Co., San Francisco, Cal.
Cooper Sanitary Mfg. Co., Phila., Pa.
General Basic Kalsomine Co., Seattle, Wash.
International Metal Polish Co., Indianapolis, Ind. "Blue Ribbon"
Kilsoot Carbocide Co., Inc., 1834 B'way, New York, N. Y.
Mitchell Chemical Co., Milwaukee, Wis.
Saginaw Salt Products Co., Saginaw, Mich.
Weldum Products Co., Indianapolis, Ind. "Carbonoid Magic"

DETACHABLE KNIFE BLADES—See Blades, Pattern Makers' and Shirt Cutters'

DETACHABLE KNIFE HANDLES—See Handles, Knife, Detachable

DIALS, Sun

Arcade Mfg. Co., Freeport, Ill.
Janusch Mfg. Co., 282 E. 135th, New York, N. Y.
Majestic Co., Huntington, Ind.
Patch (A. H.), Inc., Clarksville, Tenn. "Colonial"

DIAPHRAGM PUMPS—See Pumps, Diaphragm

DIBBLES

Johnson (William), Inc., 36 Brenner, Newark, N. J.
Stanley Wks., New Britain, Conn.

DICE

Ball (A.) & Bros., Chicago, Ill.
Celluloid Corp., 10 E. 40th, New York, N. Y.
Elkloid Co., Providence, R. I.
Hunt & Co., Chicago, Ill.
Marbelite Company, Wallingford, Conn.
Selchow & Richter Co., 200 5th Av., New York, N. Y.
Sillcocks-Miller Co., South Orange, N. J.

DICE CUPS—See Cups, Dice

DIE HOLDERS—See Holders, Tap and Die

DIE STOCKS—See Stocks, Die, Pipe

DIES—See Taps and Dies

DIES and Cutters, Grommet Inserting

Neptune Hdw. Mfg. Co., 70 Duane, New York, N.Y.
Osborne (C. S.) & Co., Box 183, Newark, N. J.
Wilcox, Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.

DIFFERENTIAL CHAIN BLOCKS—See Blocks, Chain Differential

DIGGERS, Post Hole

American Forge Wks., Denver, Colo.
Ames, Baldwin, Wyoming Shovel Co., Parkersburg, W. Va.
Bernard (Phillip) Co., Sioux City, Ia.
Brown Mfg. Co., Zanesville, O. "Speedy"
C-K-R Company, Cleveland, O. "Hercules," "Invincible," "Little Giant," "Universal"
Columbus Handle & Tool Corp. Works of the National Handle Co., Columbus, Ind.
Disston (Henry) & Sons, Inc., (Tacony), Phila., Pa.
Eureka Digger Co., Seymour, Ind. "O.K."
Gopher Digger Co., Archbold, O.
H. L. G. Mfg. Co., Indianapolis, Ind.
Hall Mfg. Co., Cedar Rapids, Ia.
Iron City Tool Wks., Pittsburgh, Pa.
Iwan Bros., South Bend, Ind. "Acme," "Atlas," "Champion," "Eureka," "Gibbs," "Hercules," "Hexagon," "Invincible," "Jewel," "Perfection"
Ohio Cultivator Co., Bellevue, O. "Buckeye," "Champion," "Cyclone"
Oliver Iron & Steel Corp., Pittsburgh, Pa. "Tyrone"
Pech (Gus) Foundry & Mfg. Co., LeMars, Ia.
Seymour Mfg. Co., Inc., Seymour, Ind. "Atlas," "Buckeye," "Champion," "Eureka," "Hexagon," "Perfection," "Strickler"
Specialty Device Co., Cincinnati, O. "Standard"
Warwood Tool Co., Wheeling, W. Va.

DINNER BELLS—See Bells, Dinner

DINNER PAILS—See Pails, Dinner

DIPPERS, Milk, Water, Etc.

Aluminum Goods Mfg. Co., Manitowoc, Wis.
Aluminum Specialty Co., Manitowoc, Wis.
American Can Co., 230 Park Av., New York, N. Y.
Atlantic Stamping Co., Rochester, N. Y.
Bellaire Enamel Co., Bellaire, O. "Beco"
Buckeye Aluminum Co., Wooster, O. "Real Solid"
Columbian Enameling & Stamping Co., Terre Haute, Ind.
Federal Enameling & Stamping Co., McKees Rocks, Pa. "Old Holland"
Kreamer (A.), Inc., 307 Kent Av., B'klyn, N. Y.
Lalance & Grosjean Mfg. Co., Woodhaven, L. I., N. Y.
Landers, Frary & Clark, New Britain, Conn. "Aladdin"
Metal Goods Corp., St. Louis, Mo.
National Enameling & Stamping Co., Milwaukee, Wis.
Rochester Can Co., Rochester, N. Y. "Iron Horse"
Rome Mfg. Co., Rome, N. Y.
Savory, Inc., 591 Ferry, Newark, N. J.
Schlueter Mfg. Co., St. Louis, Mo.
Sexton Can Co., Everett, Mass.
Stratton & Terstegge Co., Inc., Mfg. Div., Louisville, Ky. "Fall City" (Water)
Stuber & Kuck Co., Peoria, Ill.
United Royalties Corp., 1133 B'way, New York, N. Y. "Saturn"
U. S. Stamping Co., Moundsville, W. Va.
Wagner Mfg. Co., Sidney, O.
West Bend Aluminum Co., West Bend, Wis.

DIPPERS, Water—See Dippers, Milk, Water, Etc.

DIPPING TANKS—See Tanks, Dipping

DIRT SHOVELS—See Shovels, Dirt

DISAPPEARING LADDERS—See Ladders, Disappearing

DISC GRINDERS—See Grinders, Disc

DISC SHARPENERS—See Sharpeners, Disc

DISCS, Abrasive, Coated

(See also Wheels, Grinding)

Armour Sandpaper Wks., Chicago, Ill.
Behr-Manning Corp., Troy, N. Y.
Carborundum Co., Niagara Falls, N. Y.
Clover Mfg. Co., Norwalk, Conn.
Minnesota Mining & Mfg. Co., St. Paul, Minn.

DISCS, Milk Strainer—See Strainers, Milk, Disc

DISGORGERS, Fish Hook

Enterprise Mfg. Co., Dept. HA, Akron, O.

DISH CLOTHS—See Cloths, Dish

DISH COVERS—See Covers, Dish

DISH DRAINERS—See Drainers, Dish

DISH DRYERS—See Drainers, Dish

DISH MOPS—See Mops, Dish

DISH PANS—See Pans, Dish

DISH WASHING MACHINES—See Washing Machines, Dish

DISHERS, Ice Cream

Arcade Mfg. Co., Freeport, Ill.
Benedict Mfg. Co., East Syracuse, N. Y. "Indestructo"
Clipper Fountain Supply Co., Troy, N. Y.
Giles & Nielsen Nickel Wks., Troy, N. Y.
Hamilton Beach Mfg. Co., Racine, Wis. "Arnold," "Gilchrist"
National Enameling & Stamping Co., Milwaukee, Wis.
New Gem Mfg. Co., Newark, N. J.
Nicol & Co., Chicago, Ill. "Delmonico's"

DISHES, BAKING, GLASS—See Ware, Oven, Glass

DISHES, Chafing, Electric

American Electrical Heater Co., Detroit, Mich. "American Beauty"
Beardsley & Wolcott Mfg. Co., Waterville, Conn. "Torrid"
General Electric Co., Bridgeport, Conn. "Hot-Point"
Landers, Frary & Clark, New Britain, Conn. "Universal"
Manning, Bowman & Co., Meriden, Conn.
Pelouze Mfg. Co., Chicago, Ill.
Robeson-Rochester Corp., Rochester, N. Y. "Royal Rochester"
Westinghouse Electric & Mfg. Co., Mansfield, O.

DISHES, Paper

Bleyer (Alfred) & Co., Metropolitan Ave., Bklyn., N. Y.
Economy Box & Pie Plate Co., Marion, Ind.
Keyes Fibre Co., Inc., Waterville, Me. "Paprus," "Savaday"
Kleen Products Co., North Wales, Pa.
Michigan Metal Products Co., Battle Creek, Mich. "Servadish"
Sanitary Products Corp. of America, Phila., Pa.
Walton (D. S.) & Co., 134 Franklin, New York, N. Y.

DISHES, Refrigerator

Aluminum Goods Mfg. Co., Manitowoc, Wis.
Bellaire Enamel Co., Bellaire, O.
Buckeye Pottery Co., Macomb, Ill. "Pech-O"
Corning Glass Wks., Corning, N. Y. "Pyrex"
Federal Enameling & Stamping Co., McKees Rocks, Pa.
Fry (H. C.) Glass Co., Rochester, Pa.
Geuder, Paeschke & Frey Co., Milwaukee, Wis.

DISHES, Refrigerator (Continued)

McKee Glass Co., Jeannette, Pa.
Polar Ware Co., Sheboygan, Wis.
Revere Brass & Copper Co., 230 Park Av., New York, N. Y.
Scurlock Kontanerette Corp., Chicago, Ill.
Sneath Glass Co., Hartford City, Ind.
United States Stamping Co., Moundsville, W. Va. "Hydrator"
Vollrath Co., Sheboygan, Wis. "Vitalizer"

DISHES, Soap

Alliance Vitrified China Co., Alliance, O. "Avco"
Aluminum Goods Mfg. Co., Manitowoc, Wis.
American Aluminum Ware Co., 374 Jeliff Av., Newark, N. J. "Peerless"
American Enameled Products Co., Chicago, Ill. "Snow-wite"
American Ring Co., Dept. W., Waterbury, Conn. "Ringco"
Art Brass Co., 299 E. 34th, New York, N. Y. "San-o-la"
Auburn Rubber Co., Auburn, Ind.
Autoyre Co., Oakville, Conn. "Maid-En-White"
Baker (S. D.) Corp., 234 W. 14th, New York, N. Y. "Samsonchina"
Balmer (J. H.) & Co., 399 Central Av., Newark, N. J.
Brilliant Glass Products, Inc., Weston, W. Va. "Westite"
Central Specialty Mfg. Co., Chicago, Ill.
Ceramic Specialties, Inc., 154 Nassau, New York, N. Y. "Sanilith"
David-Franklin Co., Maplewood, N. J. "Everclean Fixtures"
Fisher Brass Co., Bellefontaine, O. (Combination Sink Fixture)
Kersten Co., Inc., Chicago, Ill.
Landers, Frary & Clark, New Britain, Conn.
Manhattan Mfg. & Jobbing Co., 182 Av. C., New York, N. Y.
National Enameling & Stamping Co., Milwaukee, Wis.
National Sheet Metal Co., Peru, Ill.
Parker Wire Goods Co., Worcester, Mass.
Pocono Metal Mfg. Co., East Stroudsburg, Pa.
Racine Iron & Wire Wks., Racine, Wis.
Robertson (H. E.) Co., Chicago, Ill.
Rodale Mfg. Co., Emaus, Pa. (Rubber)
Rubbersan Products, Inc., 251 W. 19th, New York, N. Y.
Russell (Jno. M.) Mfg. Co., Inc., Naugatuck, Conn.
Standard Sanitary Mfg. Co., Pittsburgh, Pa.
U. S. Stamping Co., Moundsville, W. Va.
Utility Mfg. Co., Baltimore, Md.
Vollrath Co., Sheboygan, Wis.
Washburn Company, Worcester, Mass. "Natwire"
"White-Steel" Sanitary Furniture Co., Grand Rapids, Mich.
Willette Corp., 136 E. 57th, New York, N. Y. "Stae Fast"
Winsted Hdw. Mfg. Co., Winsted, Conn.

DISHES, Toy

Aluminum Goods Mfg. Co., Manitowoc, Wis. (Nursery Rhyme Set)
Wolverine Supply & Mfg. Co., Pittsburgh, Pa. (Metal) "Sandy Andy"

DISHES, Vacuum—See Bottles, Vacuum

DISINFECTANT SPRAYERS—See under Sprayers

DISINFECTANTS

Agramid Products Co., College Point, N. Y. "Phenyle"
American Cyanamid Sales Co., 535 5th Av., New York, N. Y. "Barbak"
American Metal Polish Corp., W. Somerville, Mass. "Red Ex."
Bayer-Semesan Co., 105 Hudson, New York, N. Y. "Ceresan," "DuBay," "Nu-Green," "Semesan," "Semesan Bel," "Semesan Jr." (Seed, Plant and Soil)
Carbola Chemical Co., Natural Bridge, N. Y.
Carbolineum Wood Preserving Co., Milwaukee, Wis.
Chemical Supply Co., Cleveland, O.
Clorox Chemical Co., Oakland, Cal.
Conkey (G. E.) & Co., Cleveland, O. "Nox-I-Cide"
General Laboratories, Inc., Madison, Wis. "B-K"
Grasselli Chemical Co., Cleveland, O. (Fruit)
International Chemical Co., Chicago, Ill.
Lynch (Alonzo K.) Advance Oil Wks., Inc., 310 Flushing Av., B'klyn, N. Y.
Midway Chemical Co., Chicago, Ill.
Pratt Food Co., Phila., Pa.
St. Louis Rubber Cement Co., Inc., St. Louis, Mo. "Red X"
Sherwin-Williams Co., Cleveland, O.
West Disinfecting Co., 16 Barn, Long Island City, N. Y. "C-N"
White Tar Co. of New Jersey, Inc., Kearny, N. J.

DISINFECTING PAINTS—See Paints, Disinfecting

DISPENSERS, Soap

American Soap & Washoline Co., Cohoes, N. Y.
Antiseptol Liquid Soap Co., Chicago, Ill.
Bobrick Mfg. Corp., 215 4th Av., New York, N. Y. "Sop-O-zo N"
Carpenter (W. D.) Co., Syracuse, N. Y.
Clifton Chemical Co., 246 Front, New York, N. Y.
Cremoline Co., Inc., St. Louis, Mo.
Flash Chemical Co., Cambridge, Mass.
Hillyard Chemical Co., St. Joseph, Mo.
Imperial Brass Mfg. Co., Chicago, Ill. "Watrous"
Interstate Mfg. Co., Wollaston, Mass.
Lewy Chemical Co., 58 W. 15th, New York, N. Y. "Vero"
Rochester Germicide Co., Rochester, N. Y.
Smithereen Co., Chicago, Ill.
Soapitor Co., 154 W. 14th, New York, N. Y.
West Disinfecting Co., 16 Barn, Long Island City, N. Y.

DISPENSERS, Tooth Paste

Brocher & Hass, Grand Rapids, Mich.

DISPLAY CASES and CABINETS—See Cases, Display

DISPLAY COUNTER DIVIDERS—See Dividers, Display, Counter

DISPLAY FIXTURES—See Fixtures, Display

DISPLAY RACKS, Axe—See Racks, Axe Display

DISPLAYS, Window

Adler-Jones Co., Chicago, Ill.
Bird & Son, Inc., East Walpole, Mass.
Garrison-Wagner Co., St. Louis, Mo.

DITCH BANK BLADES

Atkins (E. C.) & Co., Indianapolis, Ind.

DITCHING SPADES—See Spades, Ditching

DIVIDERS—See Calipers and Dividers

DIVIDERS, Display, Counter

Stillwater Mfg. Co., Stillwater, Minn. "Better Way" (Adjustable)

DIVISIONS, Manger

Ney Mfg. Co., Canton, O.

DOCKING SAWS—See Saws, Docking

DOCUMENT BOXES—See Boxes, Document

DOG BISCUITS—See Biscuits, Dog

DOG CAKES—See Biscuits, Dog

DOG COLLAR BELLS—See Bells, Cat and Dog Collar

DOG COLLAR LOCKS—See Locks, Dog Collar

DOG COLLARS—See Collars, Dog

DOG COUPLERS—See Couplers, Dog

DOG HARNESS—See Harness, Dog

DOG LEADS—See Leads, Dog; also Chains, Dog Lead

DOG MUZZLES—See Muzzles, Dog

DOG SOAPS—See Soaps, Animal, Dog, Etc.

DOG SWEATERS—See Sweaters, Dog

DOGS, Door—See Stops, Door

DOGS, Lathe

Ames (B. C.) Co., Waltham, Mass.
Armstrong Bros. Tool Co., Chicago, Ill.
Billings & Spencer Co., Hartford, Conn.
Bonney Forge & Tool Works, Allentown, Pa. "Indispensable"
Collmer Bros., South Bend, Ind. "Le Count's"
International Nutyp Tool Corp., Oswego, N. Y.
Le Count (W. G.) Tool Wks., South Norwalk, Conn.
O. K. Tool Co., Shelton, Conn.
Phoenix Hdw. Mfg. Co., Buffalo, N. Y.
Ready Tool Co., Bridgeport, Conn. "Red-E"
Richmond Forgings Corp., Richmond, Va.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Starrett (L. S.) Co., Athol, Mass.
Union Tool Co., Orange, Mass. "Hill"
West Steel Castings Co., Cleveland, O.
Western Tool & Mfg. Co., Springfield, O. "Champion"
Williams (J. H.) & Co., Buffalo, N. Y. "Vulcan"

DOGS, Milling Machine

Ready Tool Co., Bridgeport, Conn.
Williams (J. H.) & Co., Buffalo, N. Y. "Vulcan"

DOILIES, Paper—See Paper, Lace

DOLL BASSINETS—See Bassinets, Doll

DOLL BEDS—See Beds, Doll

DOLL CARRIAGES—See Carriages, Doll

DOLL FURNITURE—See Furniture, Doll and Toy

DOLL HAMMOCKS—See Hammocks, Doll

DOLL HEADS—See Heads, Doll; also Heads, Doll, Celluloid

DOLL HOUSES—See Houses, Doll

DOLL OUTFITS—See Outfits, Doll

DOLL SHOES and STOCKINGS—See Shoes and Stockings, Doll

DOLL SWINGS—See Swings, Doll

DOLL WIGS—See Wigs, Doll

DOLLIES, Timber

American Logging Tool Co., Evart, Mich.
Case Crane & Kilbourne Jacobs Co., Columbus, O.
Dixie Logging Tool Co., Chattanooga, Tenn.
Fairbanks Co., 393 Lafayette, New York, N. Y.
Hamilton Caster & Mfg. Co., Hamilton, O.
La Plant-Choate Mfg. Co., Inc., Cedar Rapids, Ia.
Payson Mfg. Co., Chicago, Ill.

DOLLS, Carnival—See Dolls, Character; also Dolls, Composition; also Dolls, Novelty

DOLLS, Character

Adler Favor & Novelty Co., St. Louis, Mo.
American Character Doll Co., Inc., 20 E. 17th, New York, N. Y.
Arrow Novelty Co., 62 W. 14th, New York, N. Y. "Skookum"
Averill Co., 200 5th Av., New York, N. Y.
Beers (William P.) Co., Norwalk, Conn.
Bruckner's (Albert) Sons, 200 5th Av., New York, N. Y.
Chase, M. J., Pawtucket, R. I.
European Doll Mfg. Co., Inc., 57 Greene, New York, N. Y.
Fleischaker & Baum, 45 E. 17th, New York, N. Y. "Effanbee"
Horsman Corp., 200 5th Av., New York, N. Y.
Ideal Novelty & Toy Co., 273 Van Sinderen Av., B'klyn, N. Y. "Flossie Flirt"
Maxine Doll Co., 30 W. 24th, New York, N. Y.
Munzer (Alfred), Inc., 212 E. 99th, New York, N. Y.
Regal Doll Mfg. Co., 200 5th Av., New York, N. Y.
Toy Products Mfg. Co., 102 Wooster, New York, N. Y.

DOLLS, Cloth or Rag

Adler Favor & Novelty Co., St. Louis, Mo.
American-Acme Co., Emigsville, Pa.
Beers (William P.) Co., Norwalk, Conn.
Chase, M. J., Pawtucket, R. I.
Marks Bros., Boston, Mass.

DOLLS, Composition

American Character Doll Co., Inc., 20 E. 17th, New York, N. Y.
Averill Mfg. Co., Inc., 200 5th Av., New York, N. Y.
European Doll Mfg. Co., Inc., 57 Greene, New York, N. Y.
Gem Doll Corp., 42 Greene, New York, N. Y.
Gerling Toy Co., 12 W. 21st, New York, N. Y.
Horsman Corp., 200 5th Av., New York, N. Y.
Maxine Doll Co., 30 W. 24th, New York, N. Y.
Regal Doll Mfg. Co., 200 5th Av., New York, N. Y.
Toy Products Mfg. Co., 102 Wooster, New York, N. Y.

DOLS, Jointed

Horsman Corp., 200 5th Av., New York, N. Y.
Schoenhut (A.) Co., Phila., Pa.

DOLLS, Leather

Western Art Leather Co., Denver, Col.

DOLLS, Metal

Atlas Doll & Toy Co., Baltimore, Md.

DOLLS, Moving Eyes

Domec Dolls, Inc., 34 University Pl., New York, N. Y. "Giggles"
Horsman Corp., 200 5th Av., New York, N. Y.
Ideal Novelty & Toy Co., 273 Van Sinderen Av., B'klyn, N. Y. "Ticklelooes"

DOLLS, Novelty

Adler Favor & Novelty Co., St. Louis, Mo.
Averill Mfg. Co., Inc., 200 5th Av., New York, N. Y.
Gerling Toy Co., 12 W. 21st, New York, N. Y.
Horsman Corp., 200 5th Av., New York, N. Y.
Ideal Novelty & Toy Co., 273 Van Sinderen Av., B'klyn, N. Y.
Regal Doll Mfg. Co., 200 5th Av., New York, N. Y.

DOLLS, Paper

Adler Favor & Novelty Co., St. Louis, Mo.
American Colortype Co., Chicago, Ill.
Bradley (Milton) Co., Springfield, Mass.
Jacobs (Geo. W.) & Co., Phila., Pa.
Parker Bros., Salem, Mass.

DOLLS, Rubber

Faultless Rubber Co., Ashland, O.
Mechanical Rubber Co., Ft. Lisbon Rd., Cleveland, O.
U. S. Rubber Co., 1790 B'way, New York, N. Y.

DOLLS, Stuffed

Acme Toy Mfg. Co., 121 W. 19th, New York, N. Y.
Atlas Doll & Toy Co., Baltimore, Md.
Averill Mfg. Co., Inc., 200 5th Av., New York, N. Y.
Domec Dolls, Inc., 34 University Pl., New York, N. Y. "Giggles"
Gem Doll Corp., 42 Greene, New York, N. Y.
Gerling Toy Co., 12 W. 21st, New York, N. Y.
Horsman Corp., 200 5th Av., New York, N. Y.
Uneeda Doll Co., 18 W. 18th, New York, N. Y.
Well-Made Doll Co., 83 Wooster, New York, N. Y.

DOLLS, Talking

Atlas Doll & Toy Co., Baltimore, Md.
Averill Mfg. Co., Inc., 200 5th Av., New York, N. Y.
Bruckner's (Albert) Sons, 200 5th Av., New York, N. Y.
Gerling Toy Co., 12 W. 21st, New York, N. Y.
Horsman Corp., 200 5th Av., New York, N. Y.
Ideal Novelty & Toy Co., 273 Van Sinderen Av., B'klyn, N. Y. "Soozie Smiles," "Tickletoes"
Marks Bros. Co., Boston, Mass.
Munzer (Alfred), Inc., 212 E. 99th, New York, N. Y.
Toy Products Mfg. Co., 583 B'way, New York, N. Y.

DOLLS, Walking

Averill Mfg. Co., Inc., 200 5th Av., New York, N. Y.
Horsman Corp., 200 5th Av., New York, N. Y.
Ideal Novelty & Toy Co., 273 Van Sinderen Av., B'klyn, N. Y.

DOLLS, Wood

Schoenhut (A.) Co., Phila., Pa.

DOME DAMPERS—See Dampers, Fireplace

DOMINOES

Embossing Co., Albany, N. Y.
Halsam Products Co., Inc., Chicago, Ill.
Marbelite Co., Wallingford, Conn.
Parker Bros., Salem, Mass.
Waterbury Button & Mfg. Co., Waterbury, Conn.

DOOR BELLS—See Bells, Door; also Bells and Buzzers, Electric

DOOR BOLTS—See Bolts, Door

DOOR BOLTS, Panic—See Bolts, Door, Panic

DOOR BRACES, Screen—See Braces, Door, Screen

DOOR BUMPER & HASP—See Hasps, Hinge

DOOR BUTTONS—See Buttons, Door

DOOR BUTTS—See Butts, Door

DOOR CASINGS—See Casings, Door

DOOR CATCHES—See Catches, Cupboard, Door, Screen Door, Etc.

DOOR CHECKS—See Checks, Door

DOOR CLOSERS—See Checks, Door

DOOR DOGS—See Stops, Door

DOOR FASTENERS—See Fasteners, Door, Chain

DOOR FIXTURES—See Fixtures, Door; also article desired

DOOR GUARDS—See Guards, Door

DOOR HANDLES—See Handles, Door

DOOR HANGERS—See Hangers, Door

DOOR HARDWARE, SLIDING and FOLDING—See Hardware, Door, Sliding and Folding

DOOR HINGES—See Hinges, Door; also Hangers and Hinges, Door

DOOR HOLDERS—See Holders, Door

DOOR INTERVIEWERS—See Interviewers, Door

DOOR KNOBS—See Knobs, Door; also Latches; also Locks

DOOR KNOCKERS—See Knockers, Door

DOOR LATCHES—See Latches, Door

DOOR LATCHES, Sliding—See Locks and Latches, Door, Sliding

DOOR LOCKS—See Locks, Sets, Door and House; also Knobs, Door; also Padlocks

DOOR LOCKS, Automobile—See Locks, Door, Automobile

DOOR LOCKS, Sliding—See Locks and Latches, Door, Sliding; also Padlocks

DOOR OPENERS, Garage—See Openers, Garage Door

DOOR OPENERS AND LOCKS, Electric—See Openers and Locks, Door, Electric

DOOR PULLS—See Pulls, Door

DOOR PUSH BARS—See Bars, Push

DOOR ROLLERS—See Rollers, Door

DOOR SADDLES—See Thresholds

DOOR SCREENS—See Screens, Window and Door

DOOR SETS—See Sets, Door

DOOR SPRINGS—See Springs, Door

DOOR STOPS—See Stops, Door

DOOR TRACKS—See Hangers and Hinges, Door

DOOR TRACKS, SLIDING—See Tracks, Door Sliding

DOORS, Ash Pit

Adams Co., Dubuque, Ia.
Avondale Stove & Fdry. Co., Birmingham, Ala.
Chattanooga Implement & Mfg. Co., Chattanooga, Tenn. "Royal"
Clark (H. W.) Co., Mattoon, Ill.
Covert (H. W.) Co., 229 E. 37th, New York, N. Y.
Donley Bros. Co., Cleveland, O.
Gabriel Steel Co., Detroit, Mich.
Howes (S. M.) Co., Boston, Mass.
Kalman Steel Co., Inc., Chicago, Ill.
Logan Co., Louisville, Ky.
Majestic Co., Huntington, Ind.
Northern Stove Co., Chicago, Ill.
Pekor Foundry Co., Columbus, Ga.
Ravenna Furnace & Heating Co., Ravenna, O.
Smith (F. P.) Wire & Iron Wks., Chicago, Ill.
Stover Mfg. & Engine Co., Freeport, Ill.
Swett (A. L.) Iron Works, 149 Glenwood Av., Medina, N. Y.
Wheeling Corrugating Co., Wheeling, W. Va.

DOORS, Cleanout

Adams Co., The, Dubuque, Ia.
Bignall Co., Medina, N. Y.
Covert (H. W.) Co., 229 E. 37th, New York, N. Y.
Des Moines Foundry & Machine Co., Des Moines, Ia.
Flockhart Foundry Co., Newark, N. J.
Indiana Foundry Co., Indiana, Pa.
Kalman Steel Co., Inc., Chicago, Ill.
Kewanee Mfg. Co., Kewanee, Ill.
Laurelton Fdry. Co., Laurelton, Pa.
Milcor Steel Co., Milwaukee, Wis.
Pekor Foundry Co., Columbus, Ga.
Portland Stove Fdry. Co., Portland, Me.
Ravenna Furnace & Heating Co., Ravenna, O.
Sterling Fdry. Co., Sterling, Ill. "Best"
Stover Mfg. & Engine Co., Freeport, Ill.
Swett (A. L.) Iron Wks., Medina, N. Y.
United States Hardware & Mfg. Co., Pawtucket, R. I.
Wheeling Corrugating Co., Wheeling, W. Va.

DOORS, Clothes Chute

Auer Register Co., 3608 Payne, Cleveland, O.
Donley Bros. Co., Cleveland, O.
Gabriel Steel Co., Detroit, Mich.

DOORS, Fire

American Sheet Metal Works, New Orleans, La.
Cornell Iron Works, Inc., 3603 13th, Long Island City, N. Y. (Rolling)
Mesker Bros. Iron Co., St. Louis, Mo.
Meyer (F.) & Bro. Co., Peoria, Ill. "Handy"
Richards-Wilcox Mfg. Co., Aurora, Ill. "FyeR-Wall"
Western Steel Products Co., Duluth, Minn.
Willis Mfg. Co., Inc., Galesburg, Ill.
Wilson (J. G.) Corp., 9 E. 38th, New York, N. Y.

DOORS, Garage, Overhead Acting, Steel or Wood

Adams Co., Dubuque, Ia.
Barber-Colman Co., Rockford, Ill. "Barcol"
Columbus Rolling Door Corp., Columbus, O. "Rol-Up-Over"
Cornell Iron Works, Inc., 3603 13th, Long Island City, N. Y.
Farley & Loetscher Mfg. Co., Dubuque, Ia. "Weather-seal"
Frantz Mfg. Co., Sterling, Ill. "Over-The-Top"
Kinnear Mfg. Co., Columbus, O. "Rol-Top"
McKee Door Co., Chicago, Ill.
Majestic Co., Huntington, Ind. "Roll-N-Fold," "Venti-Fold"
National Mfg. Co., Sterling, Ill.
Overhead Door Co., Hillside, N. J.
Overhead Door Corp., Hartford City, Ind.
Richards-Wilcox Mfg. Co., Aurora, Ill.
Richmond Fireproof Door Co., Richmond, Ind. "Up-N-Over"
Stanley Wks., New Britain, Conn. "Roll-Up"
Truscon Steel Co., Youngstown, O. "Overdoors"
Wagner Mfg. Co., Cedar Falls, Ia. "Tripl-Fold"

DOORS, Milk or Package Receiving

Auer Register Co., 3608 Payne Av., Cincinnati, O.

DOORS and SHUTTERS, Steel

American Sheet Metal Works, New Orleans, La. "Durand"
Auer Register Co., Cincinnati, O. (Flush Type Doors)
Cornell Iron Works, Inc., 3603 13th, Long Island City, N. Y. (Rolling)
General Fireproofing Co., Youngstown, O.
Kalman Steel Co., Inc., Chicago, Ill. (Coal)
Lupton's (David) Sons Co., Phila., Pa.
Meyers (Fred J.) Mfg. Co., Hamilton, O.
Overhead Door Co., Hillside, N. J. (Garage Doors, Wood or Kalamein)
Richards-Wilcox Mfg. Co., Aurora, Ill.
St. Paul Corrugating Co., St. Paul, Minn.
Stewart Iron Wks. Co., Inc., 814 Stewart Block, Cincinnati, O.
Truscon Steel Co., Youngstown, O.
Wilson (J. G.) Corp., 9 E. 38th, New York, N. Y.

DOORS, Vault

Badger Wire & Iron Wks., Milwaukee, Wis.
Fiske (J. W.) Iron Wks., 78 Park Pl., New York, N. Y.
Stewart Iron Wks. Co., Inc., 814 Stewart Block, Cincinnati, O.

DOUBLE ACTING HINGES—See Hinges, Double Acting

DOUBLE BIT AXES—See Axes, Single and Double Bit, Forged Steel

DOUBLE BOILERS—See Boilers, Rice

DOUBLE DUTY SAWS—See Saws, Double Duty

DOUBLE POINTED TACKS—See Tacks, Double Pointed

DOUBLETREES, Plow—See Singletrees and Doubletrees, Plow and Wagon

DOUBLETREES, Wagon—See Singletrees and Doubletrees, Plow and Wagon

DOUGHNUT CUTTERS—See Cutters, Biscuit, Doughnut, Etc.

DOVETAIL SAWS—See Saws, Dovetail

DOWEL PINS—See Pins, Dowel

DOWEL POINTERS—See Pointers, Dowel

DOWEL RODS—See Rods, Dowel, Wooden

DOWEL SCREWS—See Screws, Dowel

DOWELING JIGS—See Jigs, Doweling

DRAG SAWS—See Saws, Drag

DRAG SCRAPERS—See Scrapers, Drag

DRAGS, Reel, Fishing

Enterprise Mfg. Co., Dept. HA, Akron, O.

DRAGS, ROAD—See Scrapers, Drag

DRAIN BOARDS

Becker Mfg. Co., Marietta, O.
Crane Enamelware Co., Chattanooga, Tenn.
Eichman (J. C.) Mfg. Co., Baltimore, Md.
Enamel Products Co., Cleveland, O. "Tepco"
Humphryes Mfg. Co., Mansfield, O.
Marietta Hollow Ware & Enameling Co., Marietta, Pa.
Trageser (John) Steam Copper Wks., Maspeth, N. Y.

DRAIN CLEANERS—See Cleaners, Drain

DRAIN COCKS—See Cocks, Drain

DRAIN PIPE CLEANERS—See Cleaners, Drain Pipe

DRAIN PIPE SOLVENTS—See Solvents, Sewer and Drain Pipe

DRAIN SHOVELS—See Shovels, Spades and Scoops

DRAIN SPADES—See Spades, Ditching and Drain

DRAIN TANKS, PORTABLE—See Tanks, Drain, Portable

DRAINAGE FITTINGS—See Fittings, Drainage

DRAINAGE PUMPS—See Pumps, Drainage

DRAINERS, Cellar

Deming Co., Salem, O.
Goulds Pumps, Inc., Seneca Falls, N. Y.
Keystone Brass & Rubber Co., Phila., Pa.
Labaw, L. R. H., Belle Mead, N. J.
Monarch Engineering Co., Dayton, O.
Penberthy Injector Co., Detroit, Mich.

DRAINERS, Dish

Columbian Enameling & Stamping Co., Terre Haute, Ind.
Enamel Products Co., Cleveland, O. "Tepco"
Federal Enameling & Stamping Co., McKees Rocks, Pa. "Old Holland"
Gatch Brush & Wire Goods Co., Baltimore, Md.
Grand Rapids Wire Products Co., Grand Rapids, Mich.
Hamblin & Russell Mfg. Co., Worcester, Mass. "O. K.," "Perfect"
Racine Iron & Wire Wks., Racine, Wis.
Union Steel Products Co., Albion, Mich.
Utility Mfg. Co., Baltimore, Md.
Washburn Company, Worcester, Mass. "Graduated"

DRAINERS, Manger, Stable Gutter

Ney Mfg. Co., Canton, O.

DRAINERS, Washing Machine

Keystone Brass & Rubber Co., Phila., Pa.
Lincoln Brass Wks., Detroit, Mich.
Penberthy Injector Co., Detroit, Mich. "Filordrain"
Scott Pump Co., Rochester, N. Y.
Siph-O Products Corp., Boston, Mass.

DRAPERY BRACKETS—See Brackets, Pole, Curtain

DRAPERY PINS—See Pins, Drapery

DRAPERY POLE RINGS—See Rings, Pole, Curtain and Drapery

DRAPERY RODS—See Rods, Curtain

DRAW KNIFE GAGES—See Gages, Draw Knife

DRAWER HANDLES—See Handles, Door, Drawer, Etc.

DRAWER KNOBS—See Knobs, Door and Drawer

DRAWER LOCKS—See Locks, Chest, Drawer and Desk

DRAWER PULLS—See Pulls, Drawer

DRAWER RINGS, FLUSH—See Rings, Flush, Drawer

DRAWERS, Cash, Money, Etc.

Waddel Co., Inc., Greenfield, O.

DRAWERS, Money—See Drawers, Cash, Money, Etc.

DRAWING INKS—See Inks, Drawing

DRAWING INSTRUMENTS—See Instruments, Drawing

DRAWING KNIVES—See Knives, Drawing

DREDGE CHAINS—See Chains, Dredge

DRESSERS, Emery Wheel

American Swiss File & Tool Co., Elizabeth, N. J.
Atkins (E. C.) & Co., Indianapolis, Ind. "Huntington"
Bay State Stamping Co., Worcester, Mass. "Bennett"
Chicago Screw Co., Chicago, Ill. "Huntington"
Collmer Bros., South Bend, Ind. "Huntington"
Diamond Saw & Stamping Wks., Buffalo, N. Y. "Sterling"
Hetherington Co., Piqua, O.
Kilborn & Bishop Co., New Haven, Conn. "Green Line"
Oliver Machinery Co., Grand Rapids, Mich. "Metcalf"
Prairie du Chien Tool Co., Prairie du Chien, Wis.
Pratt (Wm. E.) Mfg. Co., Chicago, Ill.
Rock Island Mfg. Co., Rock Island, Ill. "Huntington"
Sandvik Saw & Tool Corp., Minneapolis, Minn. "Sievert Veritas" (Imported)
Southington Hdw. Co., Southington, Conn.
Standard Tool Co., Cleveland, O.
Warren Axe & Tool Co., Warren, Pa. "Bull Dog," "Huntington"
Western Tool & Mfg. Co., Springfield, O. "Champion"
Wrigley (Thos.) Co., Chicago, Ill.

DRESSINGS, Belt

(See also Plating, Pulley)

Agramid Products Co., College Point, N.Y. "Durapul"
Allen (W. D.) Mfg. Co., Chicago, Ill. "Ideal," "Magic," "Pease"
American Belting Companies, Baltimore, Md.
Atkins (E. C.) & Co., Indianapolis, Ind. "Cantol"
Atlantic Mfg. Co., Wilmington, Del.
Belt Grip Co., 41 Union Sq., New York, N. Y.
Boyer Chemical Laboratory, Chicago, Ill.
Capen Belting & Rubber Co., St. Louis, Mo. "Ne-Pac"
Chesapeake Belting Co., Baltimore, Md. "Star"
Chicago Belting Co., Chicago, Ill. "Gripstick"
Cling-Surface Co., Buffalo, N. Y.
Detroit Oak Belting Co., Detroit, Mich.
Dixon (Jos.) Crucible Co., Wayne & Monmouth, Jersey City, N. J.
Durkee-Atwood Co., Minneapolis, Minn. "All-In-One," "Rie-Nie"
Duryea Mfg. Co., Av. C., Bayonne, N. J. "Han-Dee"
Eclipse Specialty Mfg. Co., Chicago, Ill. (Stick & Liquid)
Ensign Refining Co., Cleveland, O.
Galena Mfg. Co., Galena, Ill. "Superior"
Gandy Belting Co., Baltimore, Md.
Goodrich (B. F.) Rubber Co., Akron, O. "Plastikon"
Graton & Knight Co., Worcester, Mass.
Hall-Thompson Co., Hartford, Conn. "Wonder Worker"
Hollingshead (R. M.) Co., Camden, N. J. "Whiz"
Indian Refining Co., Lawrenceville, Ill. "Bull Dog"
Jobbers' Mfg. Co., Chicago, Ill. "Blue Ribbon"
Livingston Co., New Haven, Conn. "I. C. U."
Lynch (Alonzo K.) Advance Oil Works, Inc., 310 Flushing Av., Bklyn, N. Y.
Manufacturers' Belt Hook Co., Chicago, Ill. "Cracker Jack"
Mirrolike Mfg. Co., Queens Blvd., Long Island City, N. Y.
Northwestern Chemical Co., Marietta, O. "Norwesco"
Panhard Oil Corp., 17 Water, New York, N. Y.
Permatex Co., Sheepshead Bay, N. Y.
Permatite Mfg. Co., Minneapolis, Minn. "E-Fec-Tiv"
Puritan Soap Co., Rochester, N. Y.
Rhoads (J. E.) & Son, Phila., Pa.
St. Louis Rubber Cement Co., Inc., St. Louis, Mo. "Red X"
Scientific Mfg. Co., Inc., Scranton, Pa. "Force"
Southwick (Geo. W.) Co., Stamford, Conn. "Polar"
Standard Engineering & Lubricating Co., 120 W. 42d, New York, N. Y. "Beltcling"
Standard Oil Co. of N. J., 26 B'way, New York, N. Y.
Webb Belting Co., Kansas City, Mo. "Slip-Knot"
White & Bagley Co., Worcester, Mass. "Neverslip"
Whitlock Mfg. Co., Cleveland, O. "Miown," "Velvetone"

DRESSINGS, Fishing Line

Enterprise Mfg. Co., Dept. HA, Akron, O.

DRESSINGS, Harness

(See also Soaps, Harness)

Arnstein, Eugene, Chicago, Ill. "Century"
Detroit White Lead Wks., Detroit, Mich. "Rogers"
Durkee-Atwood Co., Minneapolis, Minn. "Rie-Nie"
Felton, Silbey & Co., Phila., Pa. "Evernew"
Fiebing Chemical Co., Milwaukee, Wis. "Presto"
Lowe Bros. Co., Dayton, O.
McLean-Jones Oil & Supply Co., Boston, Mass. "Swastika"
Miller (Frank) Co., Camden, N. J.
Northwestern Chemical Co., Marietta, O. "Pioneer"
St. Louis Rubber Cement Co., Inc., St. Louis, Mo. "Red X"
Standard Oil Co. of N. J., 26 B'way, New York, N. Y.

DRESSINGS, Top and Upholstery, Automobile

Acme White Lead & Color Wks., Detroit, Mich.
Adams & Elting Co., Chicago, Ill.
Arco Co., Cleveland, O.
Armiger Chemical Co., Chicago, Ill.
Baum's Castorine Co., Rome, N. Y.
Bowes "Seal-Fast" Corp., Indianapolis, Ind.
Cactus Mfg. Co., Los Angeles, Cal. "Kaktus Kid"
Carpenter-Morton Co., Boston, Mass. "Carmote"
Devil Grip Mfg. Co., Hopkinsville, Ky.
Du Pont (E. I.) De Nemours & Co., Inc., Fabrikoid Div., Newburgh, N. Y.
Durkee-Atwood Co., Minneapolis, Minn.
Earl Products Co., Indianapolis, Ind. "Earlco"
Foy Paint Co., Inc., Cincinnati (Norwood) O.
Hilo Varnish Corp., 42 Stewart Av., Bklyn., N. Y.
International Metal Polish Co., Indianapolis, Ind. "Blue Ribbon"
Livingston Co., New Haven, Conn.
Louisville Paint Mfg. Co., Louisville, Ky.
Lucas (John) & Co., Inc., Phila., Pa.
Martin Varnish Co., Chicago, Ill.
Mirrolike Mfg. Co., Queens Blvd., Long Island City, N. Y.
Permatex Co., Sheepshead Bay, N. Y.
Pratt & Lambert, Inc., Buffalo, N. Y.
Puritan Soap Co., Rochester, N. Y.
Queen City Specialty Co., Buffalo, N. Y. "Magic"
Reliable Leather Dressing Co., 43 Crescent, Long Island City, N. Y.
Robeson Preservo Co., Port Huron, Mich.
St. Louis Rubber Cement Co., Inc., St. Louis, Mo. "Red X"
Sherwin-Williams Co., Cleveland, O.
Spruance (Gilbert) Co., Phila., Pa.
Standard Oil Co. of N. J., 26 B'way, New York, N. Y.
Steelcote Mfg. Co., St. Louis, Mo.
Van Cleef Bros., Chicago, Ill. "Dutch"
Wilson-Imperial Co., 115 Chestnut, Newark, N. J. "Imperial"
Yarnall Paint Co., Phila., Pa.

DRIERS, CLOTHES—See Dryers, Clothes

DRIFT PUNCHES—See Punches, Blacksmiths'

DRILL, ANVIL and VISE, Combined—See Anvil, Vise and Drill, Combined

DRILL BITS—See Bits

DRILL CHUCKS—See Chucks, Drill

DRILL GAGES—See Gages, Drill

DRILL GRINDERS—See Grinders, Drill

DRILL GRINDING GAGES—See Gages, Drill Grinding

DRILL HOLDERS—See Holders, Tool, Lathe, Planer, Drill, Etc.

DRILL POINTS—See Points, Drill

DRILL SLEEVES—See Sockets and Sleeves, Drill

DRILL SOCKETS and SLEEVES—See Sockets and Sleeves, Drill

DRILL TAPS—See Taps, Drill

DRILLS, Automatic

Millers Falls-Goodell Pratt Co., Greenfield, Mass.
North Bros. Mfg. Co., Phila., Pa. "Yankee"

DRILLS, Bench

Burritt (O. W.) & Bro., Weedsport, N. Y.
Canedy-Otto Mfg. Co., Chicago Heights, Ill.
Champion Blower & Forge Co., Lancaster, Pa.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
North Bros. Mfg. Co., Phila., Pa. "Yankee"
United States Electrical Tool Co., Cincinnati, O.

DRILLS, Bit Stock

Bay State Tap & Die Co., Mansfield, Mass.
Cincinnati Tool Co., Montgomery Rd., Cincinnati, O. "Hargrave"
Cleveland Twist Drill Co., Cleveland, O.
Etna Co., Taunton, Mass.
Greenfield Tap & Die Corp., Greenfield, Mass. "G T D"
Morse Twist Drill & Mach. Co., New Bedford, Mass.
New Process Twist Drill Co., Taunton, Mass.
Standard Tool Co., Cleveland, O.
Union Twist Drill Co., Athol, Mass.
Whitman & Barnes, Inc., Detroit, Mich.

DRILLS, Blacksmiths'

Bay State Tap & Die Co., Mansfield, Mass.
Cleveland Twist Drill Co., Cleveland, O.
Diamond Expansion Bolt Co., 48 W. B'way, New York, N. Y.
Greenfield Tap & Die Corp., Greenfield, Mass. "G T D"
Morse Twist Drill & Mach. Co., New Bedford, Mass.
National Twist Drill & Tool Co., Detroit, Mich.
New Process Twist Drill Co., Taunton, Mass.
Pratt & Whitney Co., Hartford, Conn.
Standard Tool Co., Cleveland, O.
Union Twist Drill Co., Athol, Mass.
Whitman & Barnes, Inc., Detroit, Mich.

DRILLS, Bonding—See Drills, Twist

DRILLS, Breast

Consolidated Tool Wks., 509 Madison Av., New York, N. Y. "Pilot"
Fulton Tool Wks., Inc., Pittsburgh, Pa.
McCalla (Harold) Co., Phila., Pa.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
North Bros. Mfg. Co., Phila., Pa. "Yankee"
Stanley Wks., New Britain, Conn.
Wilkinson (A. J.) & Co., Boston, Mass.

DRILLS, Brick, Stone, Cement, Etc.

Albert Tool Co., Mercer, Pa.
American Swiss File & Tool Co., Elizabeth, N. J.
Barrett Sales Co., Chicago, Ill.
Brunner & Lay Co., Chicago, Ill.
Buffum (Frank G.) Mfg. Co., Louisiana, Mo.
Carver (Wm.) Tool Wks., Spring Valley, N. Y.
Champion-De Arment Tool Co., Meadville, Pa. "Critics"
Cincinnati Tool Co., Montgomery Rd., Cincinnati, O. "Hargrave," "V-Flat"
Collins Co., Collinsville, Conn. "Legitimus"
Crescent Tool Co., Jamestown, N. Y. "Red Devil"
Damascus Steel Products Corp., Rockford, Ill. "Dasco"
Delaware Tool Co., Wilmington, Del.
Diamond Expansion Bolt Co., 48 W. B'way, New York, N. Y.
Drew (C.) & Co., Kingston, Mass.
Duffy Mfg. Co., Chicago, Ill.
Duffy (J. F.), Chicago, Ill.
Eagle Tool Wks., Bayonne, N. J.
Fairmount Tool & Forging Co., Cleveland, O.
Helwig Mfg. Co., St. Paul, Minn.
Hertzler & Zook Co., Belleville, Pa.
Hood Bros., Phila., Pa.
Hubbard & Co., Pittsburgh, Pa. (Stone)
Iron City Tool Works, Pittsburgh, Pa.
Kilborn & Bishop Co., New Haven, Conn. "Green Line," "Twistar"

DRILLS, Brick, Stone, Cement, Etc. (Continued)

Kraeuter & Co., 575 18th Av., Newark, N. J.
Livingston Mfg. Co., Rockland, Me.
Mayhew Steel Products, Inc., Shelburne Falls, Mass.
Milwaukee Tool & Forge Co., So. Milwaukee, Wis.
National Tool Co., 86 Walker, New York, N. Y.
Oxford Tool Co., Phila., Pa.
Paine Co., Chicago, Ill.
Plomb Tool Co., Los Angeles, Cal.
Rainey Mfg. Co., Titusville, Pa.
Stanley Wks., New Britain, Conn.
Star Expansion Bolt Co., 147 Cedar, New York, N. Y. "Hamrtwist," "Sebco"
Steffen, G., Phila., Pa.
Steward & Romaine Mfg. Co., Phila., Pa.
Stortz (John) & Son, Phila., Pa.
Stow Mfg. Co., Inc., Binghamton, N. Y.
U. S. Expansion Bolt Co., 75 Varick, New York, N. Y. "U. S. E."
Vaughan & Bushnell Mfg. Co., Chicago, Ill.
Vlchek Tool Co., 3006 E. 87th, Cleveland, O.
Vulcan Tool Mfg. Co., Quincy, Mass.

DRILLS, Cement—See Drills, Brick, Stone, Cement, Etc.

DRILLS, Center

Gledhill Mfg. Co., Providence, R. I.
Slocomb (J. T.) Co., Providence, R. I.
Standard Tool Co., Cleveland, O.
Union Twist Drill Co., Athol, Mass.
Whitman & Barnes, Inc., Detroit, Mich.

DRILLS, Chain

Buckeye Mfg. & Fdry. Co., Cleveland, O.
Dikeman Mfg. Co., Norwalk, Conn.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
North Bros. Mfg. Co., Phila, Pa. "Yankee"

DRILLS and COUNTERSINKS, Combined

Cleveland Twist Drill Co., Cleveland, O.
Gledhill Mfg. Co., Providence, R. I.
Greenfield Tap & Die Corp., Greenfield, Mass. "G T D"
Morse Twist Drill & Mach. Co., New Bedford, Mass.
Slocomb (J. T.) Co., Providence, R. I.
Standard Tool Co., Cleveland, O.
Union Twist Drill Co., Athol, Mass.
Whitman & Barnes, Inc., Detroit, Mich.

DRILLS, ELECTRIC PORTABLE—See Drills, Grinders & Polishers, Electric, Portable

DRILLS, Garden

Acme-Springfield Planter Co., Springfield, O. "Crop King"
Allen (S. L.) & Co., Phila., Pa. "Iron King," "Planet Jr."
Herschel (R.) Mfg. Co., Peoria, Ill.
Hudson (H. D.) Mfg. Co., Chicago, Ill. "Blocki," "Right Way"
Moore Plow & Implement Co., Greenville, Mich. "Gardener," "Go-Easy"
Sheboygan Mach. Co., Sheboygan, Wis. "Blocki"

DRILLS, Grinders, and POLISHERS, Electric, Portable

Albany Hdwe. Specialty Mfg. Co., Albany, Wis. (Drills)
Black & Decker Mfg. Co., Baltimore, Md.
Boettcher Co., Chicago, Ill.
Buffalo Forge Co., Buffalo, N. Y.
Chicago Flexible Shaft Co., Chicago, Ill.
Cincinnati Electrical Tool Co., Cincinnati, O.
Clizbe Bros. Mfg. Co., Plymouth, Ind. (Grinders)
Coates Clipper & Mfg. Co., Worcester, Mass.
Cutter Machine Co., St. Louis, Mo. "Western"
Deer (A. J.) Co., Hornell, N. Y. "Royal"
Demco, Inc., Baltimore, Md.
Devil Grip Mfg. Co., Hopkinsville, Ill.
General Grinder Corp., Milwaukee, Wis.
Gilbert (A. C.) Co., New Haven, Conn. "Polar Cub"
Hergi Mfg. Co., Bridgeport, Conn.
Heston & Anderson, Fairfield, Ia.
Hisey-Wolf Mach. Co., Cincinnati, O.
Independent Pneumatic Tool Co., Chicago, Ill. "Thor"
Jones-Motrola Sales Co., 370 Gerard Av., New York, N. Y.
Louisville Electric Mfg. Co., Inc., Louisville, Ky. "Pioneer"
Mall Tool Co., Chicago, Ill.
Marathon Elec. Mfg. Co., Wausau, Wis. "O. K."
Martindale Electric Co., Cleveland, O. "Imperial"
Millers Falls-Goodell Pratt Co., Greenfield, Mass. "Super"
Milwaukee Electric Tool Corp., Milwaukee, Wis. "Metco"
National Electric Products Co., 140 Baxter, New York, N. Y. "Bull Dog"
Osborn (J. M. & L. A.) Co., Cleveland, O.
Peerless Electric Co., Warren, O.
Prairie du Chien Tool Co., Prairie du Chien, Wis.
Precision Electric Tool & Mfg. Co., Worcester, Mass. "Hus-Kee"
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Schauer Machine Co., Cincinnati, O. "Ideal," "Neil & Smith"
Speedway Mfg. Co., Cicero, Ill.
Standard Electric Tool Co., Cincinnati, O.
Stanley Electric Tool Co., New Britain, Conn.
Stevens Walden, Inc., Worcester, Mass.
Stow Mfg. Co., Inc., Binghamton, N. Y.
Sunlight Electrical Co., Warren, O.
United Electrical Mfg. Co., Adrian, Mich.
United States Electrical Tool Co., Cincinnati, O. "U. S."
Valley Electric Co., St. Louis, Mo.
Van Dorn Electric Tool Co., Towson, Md.
Wappat, Inc., Div. of Simonds Saw & Steel Co., Pittsburgh, Pa. "Red Streak"
Winterhoff Tool & Machine Co., Elkhart, Ind.
Wodack Electric Tool Corp., Chicago, Ill.

DRILLS, Hammer, Spring

Phillips Drill Co., Chicago, Ill.
Star Expansion Bolt Co., 147 Cedar, New York, N. Y.
Wodack Electric Tool Corp., Chicago, Ill. "Do-All"

DRILLS, Hand

Buffalo Forge Co., Buffalo, N. Y.
Champion Blower & Forge Co., Lancaster, Pa. "200"
Chicago Expansion Bolt Co., Chicago, Ill.
Consolidated Tool Wks., 509 Madison Av., New York, N. Y. "Pilot"
Dallett (Thos. H.) Co., Phila., Pa.
Iron City Tool Wks., Pittsburgh, Pa.
Livingston Co., Rockland, Me. (Pneumatic)
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
North Bros. Mfg. Co., Phila., Pa. "Yankee"
Stanley Wks., New Britain, Conn.
United States Electrical Tool Co., Cincinnati, O.
Upton & Gilman Mach. Co., Lowell, Mass.
Walker-Turner Co., Inc., Plainfield, N. J.
Whitman & Barnes, Inc., Detroit, Mich.

DRILLS, Push—See Drills, Automatic

DRILLS, Post

Armstrong Bros. Tool Co., 300 N. Francisco Av., Chicago, Ill.
Battery Equipment & Supply Co., Chicago, Ill. (Battery) "Besco"
Buffalo Forge Co., Buffalo, N. Y.
Canedy-Otto Mfg. Co., Chicago Heights, Ill.
Champion Blower & Forge Co., Lancaster, Pa.
Grand Rapids Sash Pulley Co., Grand Rapids, Mich.
Salem Tool Co., Salem, O. "Silver"

DRILLS, Ratchet

Armstrong Bros. Tool Co., 300 N. Francisco Av., Chicago, Ill.
Bay State Tap & Die Co., Mansfield, Mass.
Billings & Spencer Co., Hartford, Conn.
Carver Tool Works, Spring Valley, N. Y.
Cleveland Twist Drill Co., Cleveland, O.
Gallagher Mfg. Co., Lynn, Mass. "Universal"
Greenfield Tap & Die Corp., Greenfield, Mass. "G T D"
Hunter (Jas.) Mach. Co., North Adams, Mass.
Keystone Mfg. Co., Buffalo, N. Y. "Monarch"
King (A. R.) Mfg. Co., Kingston, N. Y. "Packer"
Lovejoy Tool Wks., Chicago, Ill.
Lowell Wrench Co., Worcester, Mass. "S. T. D."
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Morse Twist Drill & Mach. Co., New Bedford, Mass.
New Process Twist Drill Co., Taunton, Mass.
North Bros. Mfg. Co., Phila., Pa. "Yankee"
Pegler Machy. Co., Chattanooga, Tenn. (Mining)
Pratt & Whitney Co., Hartford, Conn. "Renshaw"
Standard Tool Co., Cleveland, O.
Stortz (John) & Son, Phila., Pa.
Union Twist Drill Co., Athol, Mass.
Whitman & Barnes, Inc., Detroit, Mich. "Hercules," "D. D."

DRILLS, Reciprocating

Millers Falls-Goodell Pratt Co., Greenfield, Mass.
North Bros. Mfg. Co., Phila., Pa. "Yankee"

DRILLS, SPRING HAMMER—See Drills, Hammer, Spring

DRILLS, Star—See Drills, Brick, Stone, Cement, Etc.

DRILLS, Stone—See Drills, Brick, Stone, Cement, Etc.

DRILLS, Straight Shank—See Drills, Twist

DRILLS, Taper Shank—See Drills, Twist

DRILLS, Twist

Alvord-Polk Tool Co., Millersburg, Pa.
American Twist Drill & Tool Co., Detroit, Mich.
Bay State Tap & Die Co., Mansfield, Mass.
Buckeye Twist Drill Co., Alliance, O.
Cincinnati Tool Co., Montgomery Rd., Cincinnati, O. "Hargrave"
Clark Equipment Co., Buchanan, Mich. "Celfor"
Cleveland Twist Drill Co., Cleveland, O. "Cle-Forge," "Mezzo"
Colton (Arthur) Co., Detroit, Mich. "Colton-Detroit"
Diamond Expansion Bolt Co., 48 W. B'way, New York, N. Y. "Di Forge"
Etna Co., Taunton, Mass.
Greenfield Tap & Die Corp., Greenfield, Mass. "G T D"
Keystone Reamer & Tool Co., Millersburg, Pa.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Morse Twist Drill & Mach. Co., New Bedford, Mass.
National Twist Drill & Tool Co., Detroit, Mich.
New Process Twist Drill Co., Taunton, Mass.
Pratt & Whitney Co., Hartford, Conn.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Standard Tool Co., Cleveland, O. "Red Shield"
Stevens Walden, Inc., Worcester, Mass.
Union Twist Drill Co., Athol, Mass.
Whitman & Barnes, Inc., Detroit, Mich.

DRILLS, Wood Boring, Brace

Cincinnati Tool Co., Montgomery Rd., Cincinnati, O.
Cleveland Twist Drill Co., Cleveland, O.
Detroit Twist Drill Co., Detroit, Mich.
Forest City Bit & Tool Co., Rockford, Ill.
Greenfield Tap & Die Corp., Greenfield, Mass. "G T D"
Greenlee Tool Co., Rockford, Ill.
Morse Twist Drill & Mach. Co., New Bedford, Mass.
New Process Twist Drill Co., Taunton, Mass.
Standard Tool Co., Cleveland, O.
Syracuse Twist Drill Co., Syracuse, N. Y.
Union Twist Drill Co., Athol, Mass.
Whitman & Barnes, Inc., Detroit, Mich.

DRILLS and BITS, Electricians'

(See also Drills, Brick, Stone, Cement, etc.)

Cincinnati Tool Co., Montgomery Rd., Cincinnati, O. "Hargrave"
Cleveland Twist Drill Co., Cleveland, O.
Crescent Tool Co., Jamestown, N. Y. "Red Devil"
Deuse, J. S., Chester, Conn.
Diamond Expansion Bolt Co., 48 W. B'way, New York, N. Y.
Dicke Tool Co., Downers Grove, Ill.
Greenlee Tool Co., Rockford, Ill. "Double Speed," "Unispur"
Irwin Auger Bit Co., Wilmington, O.
Kraeuter & Co., 575 18th Av., Newark, N. J.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Morse Twist Drill & Mach. Co., New Bedford, Mass.
National Twist Drill & Tool Co., Detroit, Mich.
New Process Twist Drill Co., Taunton, Mass.
Pugh (Job T.) Inc., Phila., Pa.
Snell Mfg. Co., Fiskdale, Mass. "Red Rover"
Standard Tool Co., Cleveland, O.
Stortz (John) & Son, Phila., Pa.
Swan (James) Co., Seymour, Conn.
Union Twist Drill Co., Athol, Mass.
Whitman & Barnes, Inc., Detroit, Mich.

DRINKING CUPS—See Cups, Drinking

DRINKING FOUNTAINS—See Fountains, Drinking

DRIP PANS—See Pans, Drip

DRIVE SCREWS—See Screws, Drive

DRIVERS, Brad and Staple

Fiwale Equipment Mfg. Co., Inc., 64 Reade, New York, N. Y. "Acme"
Grayarc Co., Inc., 52 Beekman, New York, N. Y. "Speed Fastener"
Neva-Clog Products, Inc., Bridgeport, Conn.
Oliver Machinery Co., Grand Rapids, Mich.

DRIVERS, Coopers' Hoop

Drew (C.) & Co., Kingston, Mass.
Iron City Tool Works, Pittsburgh, Pa.
Piqua Handle & Mfg. Co., Piqua, O.
Redlich Mfg. Co., Chicago, Ill.
Stanley Wks., New Britain, Conn. "Stanley-Atha"
Stortz (John) & Son, Phila., Pa.
Stossel (Carl) & Sons Co., Front Royal, Va.
White (L. & I. J.) Co., Division of the Simonds-Worden-White Co., Dayton, O.

DRIVERS, Glazier's

Hubbard & McClary, Windsor, Vt.
Maze (W. H.) & Co., Inc., Peru, Ill.
Smith (Landon P.), Inc., 130 Coit, Irvington, N. J. "Red Devil"

DRIVERS, GLAZIER'S POINTS—See Drivers, Glazier

DRIVERS, Screw—See Screw Drivers

DRIVEWAY ARCHES—See Arches, Gateway

DRIVING CHAIN REPAIR TOOLS—See Tools, Driving Chain Repair

DRIVING LANTERNS—See Lanterns, Driving

DROP FORGED WIRE ROPE CLIPS—See Clips, Wire Rope, Drop Forged

DROP FORGED WRENCHES — See Wrenches, Screw

DROP & LEVER HANDLES—See Handles, Drop & Lever

DROP LETTER PLATES—See Plates, Drop Letter

DROP RING HANDLES—See Handles, Drop Ring

DROP SHOT—See Shot, Lead

DROPS, Eaves Trough—See Ends and Drops, Eaves Trough

DROPS and PINS

Hess (Chas.) Co., 49-14 Metropolitan Av., B'klyn, N. Y.

DRUGGISTS' SIEVES—See Sieves, Druggists'

DRUM STOVES—See Stoves and Ranges, Coal and Wood

DRUMS

Bertels (W. B.) & Son Co., Wilkes-Barre, Pa. (Steel)
Butler Mfg. Co., Kansas City, Mo.
Converse-Mason Corp., Winchendon, Mass. "Quality Line"
National Enameling & Stamping Co., Milwaukee, Wis. (Steel)
Noble & Cooley Co., Granville, Mass.
Rochester Can Co., Rochester, N. Y.

DRY BATTERIES—See Batteries, Dry

DRY CLEANERS—See Compounds, Cleaning

DRY CLEANING MACHINES—See Machines, Dry Cleaning

DRY MEASURES—See Measures, Dry

DRY PASTES—See Pastes, Dry

DRYERS—See Varnishes

DRYERS, Clothes

Acme Metal Goods Mfg. Co., 2 Orange, Newark, N. J. (Radiator)
American Specialty Mfg. Co., Sanford, Me.
Beh & Co., 1140 Broadway, New York, N. Y. "Gem"
Bicknell (J. F.) Lumber Co., Worcester, Mass. (Lawn)
Canton Clothes Dryer Co., Canton, O. (Heated)
Chicago Dryer Co., Chicago, Ill. "Francis," "Rapido"
Clark (J. R.) Co., Minneapolis, Minn. "Gem-Boy Space Saver," "Handy-Boy Space Saver," "High-Boy Space Saver," "Low-Boy Space Saver," "Nursery Space Saver," "Wall-Boy Space Saver"
Clay Equipment Corp. (Drier Div.), 126 Clay Av., Cedar Falls, Ia. "Sunshine"
Davis Mfg. Co., Clinton, Me. "Yankee"
Des Moines Fdry. & Mach. Co., Des Moines, Ia. "Handy-Line"
Dillingham Mfg. Co., Sheboygan, Wis.
Eclipse Metal Mfg. Co., Eden, N. Y. "Emmco"
Ely Mfg. Co., Girard, Pa.
Erie City Mfg. Co., Erie, Pa.
Fellows & Co., Boston, Mass. "Felsco"
Fernald Mfg. Co., North East, Pa. "Adjusto"
Fisher (Geo.) & Co., Rochester, N. Y. "Kwick-as-a-Wink," "Le Roy"
Gem Mfg. Co., North Girard, Pa. "Favorite"
Geneva Mfg. Co., Geneva, Ill. "Gemco" (Racks)
Globe Co., Sheboygan, Wis. "Handy"
Hercules Products Co., St. Joseph, Mich. "Little Dandy"
Herkimer Specialties Corp., Cold Brook, N. Y. "Home," "Syracuse," "Uwanta"
Hill Clothes Dryer Co., Inc., Worcester, Mass. "Atlas," "Challenge," "Champion," "Eureka," "Spartan"
Hopkins (L.) Mfg. Co., N. Girard, Pa. "Star"
Howard Mfg. Co., Kent, Wash. "Crown"
Imperial Mfg. Co., Cambridge, O. (Revolving)
Kersten Co., Inc., Chicago, Ill. (Baby)
Lovell Mfg. Co., Erie, Pa. "Daisy," "Empire," "Universal"
Moulton Ladder Mfg. Co., Somerville, Mass. "Advanced," "Balcony," "Bay State"
Overhead Kitchen Clothes Dryer Co., 509 W. 132nd, New York, N. Y. "O. K."
Rotary Clothes Dryer Co., Allentown, Pa.
Royal Mfg. Co., 880 E. 149th, New York, N. Y. (Indoor Ceiling and Outdoor)
Runsend Wood-Products, Inc., Rochester, N. Y. "Economy"
Singer, M., 2525 Third Av., New York, N. Y. (Ceiling)
Stiles (H. A.) & Co., Boston, Mass. "Apex," "Hasco"
Success Mfg. Co., Gloucester, Mass.
Union Steel Products Co., Albion, Mich.
Victor Clothes Dryer & Mfg. Co., Worcester, Mass. "Climax"
Waterhouse Mfg. Co., Los Angeles, Cal.
Western Newell Mfg. Co., Freeport, Ill. "Newell"
Williamson Heater Co., Cincinnati, O. (Heated)
Wood (H. G.) Mfg. Co., Dexter, Me. "Pease"
Young (J. O.) Co., Springfield, Mass.

DRYERS, Clothes, Gas or Electric

American Ironing Machine Co., Algonquin, Ill. "Simplex"
Domestic Laundry Equipment Corp., 295 Madison Av., New York, N. Y.
McCain Clothes Dryer Co., Indianapolis, Ind. (Coal, Gas and Steam)
Scientific Heater Co., Cleveland, O.
Williamson Heater Co., Cincinnati, O. "Snow-White"

DRYERS and RACKS, Corn, Seed

Bain Bros. Mfg. Co., Cedar Rapids, Ia. "Peerless"
Capital Wire Co., Madison, Wis.

DRYERS, Dish—See Drainers, Dish

DRYERS, Hair

Chicago Flexible Shaft Co., Chicago, Ill. "Sunbeam" (Combination Heater)
Eastern Laboratories, Inc., 227 E. 38th, New York, N. Y.
Electare Co., Chicago, Ill.
Fitzgerald Mfg. Co., Torrington, Conn. "Star-Rite"
Gilbert (A. C.) Co., New Haven, Conn. "Polar Cub"
Halliwell-Shelton Electric Corp., 100 6th Av., New York, N. Y.
Hamilton Beach Mfg. Co., Racine, Wis.
Knapp-Monarch Co., Belleville, Ill. "Therm-a-Hot"
National Stamping & Electric Wks., Chicago, Ill. "White Cross"
United Electrical Mfg. Co., Adrian, Mich. "Eskimo"
Wahl Clipper Corp., Sterling, Ill.

DUCK CALLS—See Calls, Duck

DUCK, Cotton

Baker-Lockwood Mfg. Co., Kansas City, Mo.
Daniels (C. R.), Inc., 101 Crosby, New York, N. Y.
Fulton Bag & Cotton Mills, Inc., 330 Wythe Av., B'klyn, N. Y.
Hooper (Wm. E.) & Sons Co., Phila., Pa. "Hooperwood"
Wenzel (Herman) Tent & Duck Co., St. Louis, Mo.
Werner Canvas Products Co., 2 Water, B'klyn, N. Y.

DUFFEL BAGS—See Bags, Duffel

DUMB-BELL HANGERS—See Hangers, Dumb-Bell

DUMB-BELLS

Draper-Maynard Co., Plymouth, N. H. (Iron) (Wood)
Estes (E. B.) & Son, Inc., 25 Vanderbilt Av., New York, N. Y. (Wood)
Harkins (T. B.) Fdy. Co., Bristol, Pa. (Iron)
Hellenberg (J. B.) Co., Inc., Coldwater, Mich. (Wood)
Indiana Fdy. Co., Indiana, Pa. (Iron)
Kramer Bros. Foundry, Dayton, O. (Iron)
Kupferle (John C.) Fdry. Co., St. Louis, Mo. (Iron)
Levering Bros., Baltimore, Md.
Medart Co., St. Louis, Mo. (Iron) (Wood)
Novelty Turning Co., Norway, Me. (Wood)
Rawlings Mfg. Co., St. Louis, Mo. (Iron) (Wood)
Reach (A. J.), Wright & Ditson Co., Phila., Pa. (Iron) (Spring) (Wood)
Roanoke Iron & Bridge Wks., Roanoke, Va. (Iron)
Sommer (John) Faucet Co., 32 Morris Av., Newark, N. J. (Wood)
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y. (Iron) (Spring) (Wood)
Sperry (D. R.) & Co., Batavia, Ill. (Iron)
Springfield Foundry Co., Springfield, Mass. (Iron)
Stall & Dean Mfg. Co., Brockton, Mass. (Wood)
Stearns (E. C.) & Co., Syracuse, N. Y.
Swett (A. L.) Iron Works, 149 Glenwood Av., Medina, N. Y.
Williams (A. C.) Co., Ravenna, O. (Iron)
Wrightsville Hdw. Co., Wrightsville, Pa (Iron)

DUMB-WAITER LATCHES—See Latches, Dumb-Waiter

DUMB-WAITER ROPE—See Rope, Dumb-Waiter

DUMB WAITERS

Abell Elevator Co., Louisville, Ky.
Baldwin Carrier Co., Chicago, Ill. (Electric)
Beckwith Elevator Co., Boston, Mass.
Brewer Elevator Co., Boston, Mass.
Burwak Elevator Co., 216 Fulton, New York, N. Y.
Chelsea Elevator Co., 101 Park Av., New York, N. Y.
Cohoes Iron Foundry & Mach. Co., Cohoes, N. Y.
Decatur Foundry Furnace & Mach. Co., Decatur, Ind.
Edmonds Elevator Co., Cleveland, O.
Elevator Supplies Co., Hoboken, N. J.
Energy Elevator Co., 217 New, Phila., Pa. "Heavy Duty," "Little Beauty," "Little Giant," "Rapid Transit"
Geraghty Bros. Elevator & Electric Co., St. Louis, Mo.
Holland Bros., 134 E. 31st, New York, N. Y.
International Steel & Iron Co., Evansville, Ind.
Kansas City Elevator Mfg. Co., Kansas City, Mo.
Kieckhefer (A.) Elevator Co., Milwaukee, Wis.
Kimball Bros. Co., Council Bluffs, Ia.
Kimball (C. E.) & Son, Boston, Mass.
Lagerquist (Gust) & Sons, Minneapolis, Minn.
Larsen (Anton) & Son, Brook Av. & 134th, New York, N. Y.
Lee & Hoff Mfg. Co., St. Paul, Minn.
MacKenzie, Geo. M., New Haven, Conn.
Marshall Bros. Co., Pittsburgh, Pa.
Massa, Geo., Phila., Pa.
Miller (Wm. A.) Mach. & Elevator Co., St. Louis, Mo.
Montgomery Elevator Co., Moline, Ill.
Murtaugh Elevator Co., 11 Davis, Long Island City, N. Y.
Nock & Garside Elevator Co., Denver, Colo.
Ohio Elevator & Mach. Co., Columbus, O.
Reedy (H. J.) Elevator Co., Cincinnati, O.
Rochester Barn Equipment Co., Rochester, N. Y.
Sedgwick Mach. Wks., 160 W. 15th, New York, N. Y. (Also Electric)
See (A. B.) Electric Elevator Co., 52 Vesey, New York, N. Y.
Sidney Elevator Mfg. Co., Sidney, O. "Auto-Safety," "S. E. M. Co." (Electric)
Speidel, John G., Reading, Pa.
Storm Mfg. Co., 50 Vesey, Newark, N. J. "Manhattan," "Newark," "New York Safety," "Paragon"
Warner Elevator Mfg. Co., Cincinnati, O.
Warsaw Elevator Co., Warsaw, N. Y.

DUMPS, Ash, Fireplace

Adams Co., Dubuque, Ia.
Avondale Stove & Fdry. Co., Birmingham, Ala.
Clark (H. W.) Co., Mattoon, Ill.
Covert (H. W.) Co., 229 E. 37th, New York, N. Y.
Donley Bros. Co., Cleveland, O.
Gabriel Steel Co., Detroit, Mich.
Howes (S. M.) Co., Boston, Mass. "Stay-Flat"
Indiana Foundry Co., Indiana, Pa.
Jackson (Edwin A.) Bros., 50 Beekman, New York, N. Y. "Beekman"
Kalman Steel Co., Inc., Wrigley Bldg., Chicago, Ill.
Kewanee Mfg. Co., Kewanee, Ill.
Leavitt Mfg. Co., Urbana, Ill.
Majestic Co., Huntington, Ind.
Price-Evans Foundry Corp., Chattanooga, Tenn.
Stover Mfg. & Engine Co., Freeport, Ill.
Swett (A. L.) Iron Works, Medina, N. Y.
U. S. Hdw. & Mfg. Co., Pawtucket, R. I.

DUPLICATING MACHINES, Key—See Machines, Key Cutting

DUST BRUSHES—See Brushes, Dust

DUST CLOTHS—See Cloths, Dust

DUST PANS—See Pans, Dust

DUSTERS, Floor

American Textile Products Co., East Cleveland, O. "No-Mar"
Barlow's Dusters, Inc., Watertown, Conn.
Bigelow Brush Co., Baltimore, Md. "Shield"
Biltwell Brush Co., Rockford, Ill.
Brown Daisy Mop Co., Lowell, Mass.
Du-All Mfg. Co., Geneva, O.
Gem Hammock & Fly Net Co., Milwaukee, Wis. "Sprustex"
Gilbert (E. T.) Mfg. Co., Rochester, N. Y. "Gilco"
Hayes Duster & Brush Co., 64 Lispenard, New York, N. Y.
Hertzberg (H.) & Son, 41 E. 11th, New York. N. Y. "Cleansbest"
Hoffman Lion Mills Co., 485 Washington, New York, N. Y. "Blu Bak"
Howard Dustless Duster Co., Boston, Mass.
Kautenberg (W. E.) Co., Inc., Freeport, Ill.
Midway Chemical Co., Chicago, Ill.
North Ridge Brush Co., Inc., Freeport, Ill.
O-Cedar Corp., Chicago, Ill.
Quality Mfg. Co., Inc., Woburn, Mass. "Quality Antiseptic"
Whiting-Adams Co., Boston, Mass.

DUSTERS, Insecticide

Agramid Products Co., College Point, N. Y. "Spratox"
American Cyanamid Sales Co., 535 5th Av., New York, N. Y. "Cyanogas"
Brower Mfg. Co., Quincy, Ill.
Brown (E. C.) Co., Rochester, N. Y.
Bullock (T. H.) Mfg. Co., Cleveland, O.
Champion Blower & Forge Co., Lancaster, Pa.
Danforth Chemical Co., Leominster, Mass. "B-D," "Dickey"
Dobbins Mfg. Co., No. St. Paul, Minn. "D & B," "Superbilt," "Superbilt Dandy"
Dust Sprayer Mfg. Co., Kansas City, Mo. "Johnson"
Eureka Mower Co., Utica, N. Y.
Houchin (Thos. W.) Co., 309 9th, Jersey City, N. J. "Eureka," "Jumbo," "Floradora," "Rapidfire," "Whirlwind" (Bellows)
Hudson (H. D.) Mfg. Co., 589 E. Illinois, Chicago, Ill. "Cadet," "Corporal," "Guide," "Major," "Patrol," "Signal"
Los Angeles Chemical Co., Los Angeles, Cal. "American Beauty," "Blue Beauty," "California Beauty," "Cali-Spray," "Silver Beauty"
Lowell Specialty Co., Lowell, Mich.
Niagara Sprayer & Chemical Co., Middleport, N. Y.
Potato Implement Co., Traverse City, Mich. "Acme"
Smith (D. B.) & Co., Utica, N. Y. "Cantclog," "Lightning," "Savage"
Superior Churn & Mfg. Co., Northville, Mich.
Toledo Rex Spray Co., Toledo, O.

DUSTERS, Painters'

Bigelow Brush Co., Baltimore, Md. "Shield"
Burton Brush Co., Cambridge, Mass.
Carroll Bros. & Co., Baltimore, Md.
Hanlon & Goodman Co., 342 Madison Av., New York, N. Y.
Rennous-Kleinle Division Pittsburgh Plate Glass Co., 3221 Frederick Av., Baltimore, Md.
Whiting-Adams Co., Boston. Mass.

DUSTERS, Potato—See Dusters, Insecticide

DUSTERS, Wool

Algoma Mfg. Co., Green Bay, Wis. "Amco"
Barlow's Dusters, Inc., Watertown, Conn.
Dearborn Mfg. Co., Chicago, Ill.
Du-All Mfg. Co., Geneva, O.
Dunlap Mfg. Co., Bloomington, Ill. "Human Hand"
Flour City Brush Co., Minneapolis, Minn.
Hoag Duster Co., Monticello, Ia.
Kautenberg (W. E.) Co., Inc., Freeport, Ill.
Midway Chemical Co., Chicago, Ill.
O-Cedar Corp., Chicago, Ill.
Ohio Duster Co., Cleveland, O. "Elite," "Purple Queen"
Shane & Hays, 5300 21st Av., B'klyn, N. Y.

DUSTING MOPS—See Mops, Dusting

DUSTPROOFING STRIP—See Weatherstrip

DUTCH DOOR BOLTS—See Bolts, Dutch Door

DUTCH DOOR QUADRANT—See Quadrants, Dutch Door

DUTCH OVENS—See Ovens, Dutch

DYES, Wood—See Stains, Oil; also Stains, Varnish

DYNAMITE
(See also Powder, Blasting)

American Powder Mills, Maynard, Mass.
Atlas Powder Co., Wilmington, Del. "Ammite," "Giant"
Du Pont (E. I.) de Nemours & Co., Explosives Dept., Wilmington, Del.
Excelsior Powder Mfg. Co., Kansas City, Mo.
Giant Powder Co., San Francisco, Cal.
Grasselli Chemical Co., Guardian Bldg., Cleveland, O. "Cameron," "Fuelit," "Mine-ite"
Hall's (Ellis) Sons Co., Oil City, Pa.
Hercules Powder Co., Inc., Wilmington, Del. "Aetna," "Gelamite," "Hercomite," "Red H.," "Special No. 1," "Xpedite"
Illinois Powder Mfg. Co., St. Louis, Mo. "Gold Medal"
King Powder Co., Cincinnati, O.

EAR PROTECTORS—See Protectors, Ear

EARTHEN WARE—See Ware, Earthen, Kitchen

EAVE TROUGH ENDS AND DROPS—See Ends and Drops, Eave Trough

EAVE TROUGH HANGERS—See Hangers, Eave Trough

EAVE TROUGH MITRES—See Mitres, Eave Trough

EAVE TROUGH PIPE—See Pipe, Conductor and Eave Trough

EAVE TROUGH STRAINERS—See Strainers, Conductor and Eave Trough

EAVE TROUGHS—See Troughs, Eave

EDGERS, Revolving, Turf

Blair Mfg. Co., Springfield, Mass.

EDGERS and TRIMMERS, Lawn

Allen (S. L.) & Co., Phila., Pa. "Planet Jr."
American Fork & Hoe Co., Cleveland, O. "True Temper"
American Lawn Mower Co., Muncie, Ind.
Bartlett Mfg. Co., Detroit, Mich. "King"
Blair Mfg. Co., Springfield, Mass. "Pilgrim," "Universal"
Boyle Mfg. Co., Los Angeles, Cal. "Boyco"
C-K-R Company, Cleveland, O. "Cronk"
Chadborn & Coldwell Mfg. Co., Newburgh, N. Y. "C. & C."
Chapin (R. E.) Mfg. Wks., Batavia, N. Y.
Coldwell Lawn Mower Co., Newburgh, N. Y.
Columbian Cutlery Co., Reading, Pa.
Dain Mfg. Co., Ottumwa, Ia. "Vertical"
Damascus Steel Products Corp., Rockford, Ill. "Dasco Ideal"
Detco Mfg. Co., Oaks, Pa. "Little Wonder"
D'Ippolito (A. B.) Vineland, N. J. "Fast Boy"
Elwood Lawn Mower Mfg. Co., Elwood, Ind.
E. Z. Lawn Edger Co., Los Angeles, Cal.
F. & N. Lawn Mower Co., Richmond, Ind. "Ace"
Granite State Mowing Machine Co., Hinsdale, N. H. "Capitol," "Duo-Disc"
Great States Corp., Richmond, Ind.
Hall Mfg. Co., Cedar Rapids, Ia. "Hal-Ege"
Henley Lawn Mower Co., Richmond, Ind. "Master"
Herschel (R.) Mfg. Co., Peoria, Ill. "Diamond"
Imperial Bit & Snap Co., Racine, Wis.
International Fork & Hoe Co., New Haven, Ind.
Klein Mfg. Co., Burlington, Ia.
Pennsylvania Lawn Mower Wks., Inc., Primos, Del. Co., Pa. "Pennsylvania Undercut"
Perfection Lawn Edger Co., Los Angeles, Cal.
Perfection Stove Co., Inc., 7609 Platt Av., Cleveland, O.
Philadelphia Lawn Mower Co., Inc., Phila., Pa.
Pines Winterfront Co., Chicago, Ill.
Reading Hardware Co., Reading, Pa.
Superior Products Co., Chicago, Ill.
Union Fork & Hoe Co., Columbus, O.
Wonder Hoe Co., Ft. Worth, Tex.
Worcester Lawn Mower Co., Worcester, Mass.

EDGES, Straight

Brown & Sharpe Mfg. Co., Providence, R. I.
Covel Mfg. Co., Benton Harbor, Mich.
Kewanee Mfg. Co., Adrian, Mich.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Ohlen-Bishop Co., Columbus, O.
Pratt & Whitney Co., Hartford, Conn.
Ridgely Trimmer Co., Springfield, O.
Simonds Saw & Steel Co., Fitchburg, Mass.
Starrett (L. S.) Co., Athol, Mass.

EDUCATIONAL BOARDS—See Boards, Spelling, Counting, Reading, Etc.

EGG BEATERS and WHIPS—See Beaters and Whips, Egg

EGG BOILERS—See Boilers, Egg

EGG BOXES—See Boxes, Egg

EGG CARRIERS—See Carriers, Egg

EGG CASES—See Boxes, Egg

EGG POACHERS—See Poachers, Egg

EGG PRESERVERS—See Preservers, Egg

EGG SLICERS—See Slicers, Egg

EGG TESTERS—See Testers, Egg

EGG TIMERS—See Timers, Egg

EGG WHIPS—See Beaters and Whips, Egg

EGGS, Nest

American Crayon Co., Sandusky, O. (Lime)
Collins, W. H., 445 Greenwich, New York, N. Y.
Hoeft & Co., Inc., N. Chicago, Ill. "Moe's"
White Tar Co. of New Jersey, Inc., Kearny, N. J.

"EIGHT" HOOKS—See Hooks, "S"

ELBOWS, Conductor Pipe

Dieckmann (Ferdinand) Co., Cincinnati, O.
Globe Iron Roofing & Corrugating Co., Inc., Newport, Ky.
Hussey (C. G.) & Co., Pittsburgh, Pa. (Copper)
Milcor Steel Co., Milwaukee, Wis.
New Delphos Mfg. Co., Delphos, O.
Norcor Mfg. Co., Green Bay, Wis.
Northwest Metal Products, Inc., Seattle, Wash.
Souther (E. E.) Iron Co., St. Louis, Mo.
Wheeling Corrugating Co., Wheeling, W. Va.

ELBOWS, Furnace Pipe—See Elbows, Stove Pipe and Furnace Pipe

ELBOWS, Pipe—See Fittings, Pipe

ELBOWS, Stove Pipe and Furnace Pipe

Acorn Elbow & Mfg. Co., Cleveland O. (Aluminum)
American Can Co., 230 Park Av., New York, N. Y.
Bernard (Phillip) Co., Sioux City, Ia.
Budke Stamping Co., Canonsburg, Pa.
Campbell Heating Co., Des Moines, Ia.
Clark (Henry N.) Co., Boston, Mass.
Crunden (Martin) Mfg. Co., St. Louis, Mo.
Decatur Cornice & Roofing Co., Albany, Ala.
Eddy (Geo. W.) Co., Inc., Syracuse, N. Y. "Gweco"
Edwards Mfg. Co., Cincinnati, O.
Excelsior Steel Furnace Co., Chicago, Ill. "Ideal"
Excelsior Stove Mfg. Co., Quincy, Ill.
Hemp & Co. Corp., St. Louis, Mo. "Anti-Swear Self-Locking"
Hill (Jas.) Mfg. Co., Providence, R. I.
Hillson (H. M.) Co., Somerville, Mass.
Howes (S. M.) Co., Boston, Mass.
Huenefeld Co., Cincinnati, O.
Jackes-Evans Mfg. Co., 4400 N. Union Blvd., St. Louis, Mo. "Je-E-Namel"
Johnson (Chas.) Co., Inc., Peoria, Ill. "Champion"
Klauer Mfg. Co., Dubuque, Ia.
Lawson (F. H.) Co., Cincinnati, O. "Lawco"
Lupton's (David) Sons Co., Phila., Pa.
Lyman, H. B., Southampton, Mass.
Melloy's (John M.) Sons, Phila., Pa.
Meyer (F.) & Bro. Co., Peoria, Ill. "Handy"
Milcor Steel Co., Milwaukee, Wis.
National Enameling & Stamping Co., Milwaukee, Wis.
Norcor Mfg. Co., Green Bay, Wis.
Northwest Metal Products, Inc., Seattle, Wash. "Norwesco"
Parkersburg Iron & Steel Co., Parkersburg, W. Va. "Acme"
Porter (C. B.) & Co., Phila., Pa.
Reeves Mfg. Co., Dover, O.
Savory, Inc., 591 Ferry, Newark, N. J.
Sheet Metal Specialty Co., Pittsburgh, Pa. "Security"
Souther (E. E.) Iron Co., St. Louis, Mo.
Stratton & Terstegge Co., Inc., Mfg. Div., Louisville, Ky. "Falls City"
Tiffin Art Metal Co., Tiffin, O.
Union Steel Products Co., Albion, Mich.
Wheeling Corrugating Co., Wheeling, W. Va.
Wilder Metal Co., Niles, O. "Wildergloss"
Wright Mfg. Co., New Haven, Conn.

ELECTRIC ATTACHMENT PLUGS—See Plugs, Attachment

ELECTRIC BELLS—See Bells and Buzzers, Electric; also Bells, Door

ELECTRIC BICYCLE LAMPS—See Lamps, Bicycle, Electric

ELECTRIC BULBS—See Lamps or Bulbs, Electric

ELECTRIC BUZZERS—See Bells and Buzzers, Electric

ELECTRIC CHRISTMAS TREE OUTFITS—See Outfits, Christmas Tree, Electric

ELECTRIC CIGAR LIGHTERS—See Lighters, Cigar, Electric

ELECTRIC CLIPPING, GROOMING and SHEARING MACHINES—See Machines, Clipping

ELECTRIC CLOCK HANGER OUTLETS—See Outlets, Electric, Clock Hanger

ELECTRIC CLOCKS—See Clocks, Electric

ELECTRIC CLOTHES DRYERS—See Dryers, Clothes, Gas or Electric

ELECTRIC CLOTHES WASHING MACHINES—See Washing Machines, Clothes, Electric

ELECTRIC CLOTHES WRINGERS—See Wringers, Clothes, Electric

ELECTRIC, COAL and GAS COMBINATION STOVES—See Under Stoves

ELECTRIC COOKERS—See Cookers, Electric

ELECTRIC CURLING IRONS—See Irons, Curling, Electric

ELECTRIC CURRENT TAPS—See Taps, Electric Current

ELECTRIC DEVICES, Flush, Combination

Arrow-Hart & Hegeman Electric Co., Hartford, Conn.

ELECTRIC DISH WASHING MACHINES—See Washing Machines, Dish

ELECTRIC DOOR OPENERS—See Openers and Locks, Door, Electric

ELECTRIC DRILLS—See Drills, Grinders and Polishers

ELECTRIC EARTHWORM EXTRACTORS — See Worm Charmers, Electric

ELECTRIC ENGINES, Toy—See Engines, Toy

ELECTRIC FANS—See Fans, Electric

ELECTRIC FIXTURE OUTLETS—See Outlets, Fixture

ELECTRIC FLASHLIGHTS—See Flashlights

ELECTRIC FLOOR MACHINES—See Machines, Floor, Electric

ELECTRIC FLUSH RECEPTACLES—See Receptacles, Flush

ELECTRIC FUSES—See Fuses, Electric

ELECTRIC GARAGE DOOR OPENERS—See Openers, Garage Door

ELECTRIC GRINDERS—See Drills, Grinders and Polishers

ELECTRIC HAIR CLIPPERS—See Clippers, Hair, Electric

ELECTRIC HAMMER TOOLS—See Tools, Electric Hammer

ELECTRIC HAND LAMPS—See Lamps, Electric, Hand

ELECTRIC HAND LANTERNS—See Lanterns, Hand, Electric

ELECTRIC HEADLIGHTS—See Lamps, Head, Electric, Automobile

ELECTRIC HEATER CORD SETS—See Sets, Electric Heater Cord

ELECTRIC HEATERS—See Heaters, Electric

ELECTRIC HEATING ELEMENTS—See Elements, Electric Heating

ELECTRIC HEATING PADS—See Pads, Heating, Electric

ELECTRIC HORNS—See Horns, Mechanical

ELECTRIC HOT BED HEATERS—See Heaters, Hot Bed, Electric

ELECTRIC HOUSE PUMPS—See Pumps, House, Electric

ELECTRIC ICE CREAM FREEZERS—See Freezers, Ice Cream, Electric

ELECTRIC ILLUMINATED HOUSE NUMBERS—See Numbers, House, Illuminated, Electric

ELECTRIC ILLUMINATED SIGNS—See Signs, Illuminated, Electric

ELECTRIC INSECT TRAPS—See Traps, Insect, Electric

ELECTRIC INSPECTION LAMPS—See Lamps, Electric, Hand or Inspection

ELECTRIC IRONERS—See Ironers, Electric

ELECTRIC IRONS—See Irons, Sad, Electric

ELECTRIC LAMP CORD—See Cord, Lamp, and Heater, Electric

ELECTRIC LAMP GUARDS—See Guards, Electric Lamp

ELECTRIC LAMPS or BULBS—See Lamps or Bulbs, Electric

ELECTRIC LAMP SOCKETS—See Sockets, Lamp

ELECTRIC LANTERNS—See Lanterns, Hand, Electric; also Flashlights

ELECTRIC LIGHT FIXTURES—See Fixtures, Electric Light

ELECTRIC LIGHT REFLECTORS—See Reflectors, Electric Light

ELECTRIC LIGHT REGULATORS—See Regulators, Electric Light

ELECTRIC LIGHTING PLANTS—See Lighting Plants, Farm, Electric

ELECTRIC MOTORS—See Motors, Electric

ELECTRIC MOTORS, Toy—See Motors, Electric, Toy

ELECTRIC PLATES—See Plates, Hot, Electric, Gas, etc.

ELECTRIC POLISHERS—See Drills, Grinders and Polishers

ELECTRIC PORTABLE HAMMERS—See Hammers, Electric Portable

ELECTRIC POWER ATTACHMENTS—See Elevator Power Attachments

ELECTRIC RANGES—See Stoves, Electric

ELECTRIC REDUCER SOCKETS—See Sockets, Reducer

ELECTRIC REFRIGERATORS—See Refrigerators, Electric

ELECTRIC RESIDENCE ELEVATORS—See Elevators, Residence, Electric

ELECTRIC SAD IRONS—See Irons, Sad, Electric

ELECTRIC SANDWICH TOASTERS—See Toasters, Sandwich, Electric

ELECTRIC SAWS, PORTABLE—See Saws, Electric Portable

ELECTRIC SCREW DRIVERS—See Screw Drivers, Electric

ELECTRIC SEWING MACHINES—See Sewing Machines, Electric

ELECTRIC SIGNALING SYSTEMS—See Signaling Systems

ELECTRIC SOCKET PLUGS—See Plugs, Socket, Electric

ELECTRIC STATIC LAMPS—See Traps, Insect, Electric

ELECTRIC STOVES—See Stoves, Electric

ELECTRIC SWITCH FLUSH PLATES—See Plates, Flush Switch

ELECTRIC SWITCHES—See Switches, Electric

ELECTRIC TIMERS, Automatic—See Timers, Electric, Automatic

ELECTRIC TOASTERS—See Toasters, Electric

ELECTRIC TRANSFORMERS, Toy—See Transformers, Electric, Toy

ELECTRIC VACUUM CLEANERS—See Cleaners, Vacuum, Electric

ELECTRIC WASHING MACHINES—See Washing Machines, Clothes, Electric; also Washing Machines, Clothes, Toy; also Washing Machines, Dish

ELECTRIC WATER HEATERS—See Heaters, Water, Electric

ELECTRIC WIRE CUTTERS—See Cutters, Wire, Electric

ELECTRIC WORM CHARMERS—See Worm Charmers, Electric

ELECTRICAL APPLIANCES and SUPPLIES

Altorfer Bros. Co., Peoria, Ill. "A B C," "Electrotable"
Aluminum Goods Mfg. Co., Manitowoc, Wis. "Dixie Queen"
American Electric Heater Co., Detroit, Mich. "American Beauty"
Armstrong Appliance Corp., Huntington, W. Va.
Beardsley & Wolcott Mfg. Co., Waterbury, Conn. "Torrid"
Bersted Mfg. Co., Chicago, Ill. (Donut Mould)
Chicago Electric Mfg. Co., Chicago, Ill.
Chicago Flexible Shaft Co., Chicago, Ill. "Sunbeam"
Eagle Electric Mfg. Co., 59 Hall, Bklyn., N. Y.
Fitzgerald Mfg. Co., Torrington, Conn. "Star-Rite"
General Electric Co., Bridgeport, Conn. "Hotpoint"
Gilbert (A. C.) Co., New Haven, Conn. "Polar Cub"
Graybar Electric Co., 420 Lexington Av., New York, N. Y.
Hamilton Beach Mfg. Co., Racine, Wis.
Hankscraft Co., Madison, Wis. "Egg-Ett" (Egg Cooker)
Hot Glow Electric Mfg. Co., Buffalo, N. Y.
Hurley Machine Co., Chicago, Ill. "Thor"
Knapp-Monarch Co., Belleville, Ill.
Landers, Frary & Clark, New Haven, Conn. "Universal"
Made-Rite Mfg. Co., Sandusky, O.
Manning-Bowman & Co., Meriden, Conn.
Metalware Corp., Two Rivers, Wis. "Empire"
Monowatt Electric Corp., Chrysler Bldg., New York, N. Y.
National Electric Appliance Co., Cleveland, O. "Deluxe"
Proctor & Schwartz Electric Co., Phila., Pa.
Reynolds Electric Co., Chicago, Ill. "Reco" (Mixers & Peelers)
Robbins & Meyers Co., Springfield, O.
Rock Island Mfg. Co., Rock Island, Ill. "Rimco"
Simplex Div., Edison General Electric Appliance Co., Chicago, Ill.
Swartzbaugh Mfg. Co., Toledo, O.
Waage Electric Co., Chicago, Ill.
Wakefield (F. W.) Brass Co., Vermilion, O. "Attachette"
Westinghouse Electric & Mfg. Co., Mansfield, O.
White Beauty Electric Co., Inc., Chicago, Ill.

ELECTRICAL HOUSEHOLD SPECIALTIES—See article desired

ELECTRICAL REFRIGERATOR UNITS—See Units, Refrigerator, Electrical

ELECTRICAL TOYS—See Mechanical Toys

ELECTRICIANS' BITS—See Drills and Bits, Electricians'

ELECTRICIANS' CHISELS—See Chisels, Electricians'

ELECTRICIANS' CLEATS—See Cleats, Wiring

ELECTRICIANS' DRILLS—See Drills and Bits, Electricians'

ELECTRICIANS' KNIVES—See Knives, Electricians'

ELECTRICIANS' PLIERS—See Pliers, Electricians'

ELECTRICIANS' SCREW DRIVERS—See Screw Drivers, Insulated

ELECTRICIANS' STAPLES—See Staples, Insulated

ELECTRICIANS' TOOL BAGS—See Bags or Rolls, Tool

ELECTROTYPES, for Retail Advertising

Hardware Age Service, 239 W. 39th, New York, N. Y.

ELEMENTS, Electric Heating

Carborundum Co., Niagara Falls, N. Y.
Dalton-Marsh Co., Danvers, Mass. "Champion" (Radiant)
Dover Mfg. Co., Dover, O. "Vea-No-Burn-Out"
Eagle Electric Mfg. Co., 59 Hall, Bklyn., N. Y.
General Electric Co., Bridgeport, Conn. "Hotpoint"
Mabey Electric Mfg. Co., Indianapolis, Ind.
Watlow Electric Mfg. Co., St. Louis, Mo. "Fixall"
Westinghouse Electric & Mfg. Co., Mansfield, O.

ELEVATING HAND TRUCKS—See Trucks, Hand, Elevating

ELEVATOR BOLTS—See Bolts, Elevator

ELEVATOR POWER ATTACHMENTS

Davis & Newcomer Co., Fostoria, O.
Kimball Bros. Co., Council Bluffs, Ia.
Sedgwick Mach. Wks., 160 W. 15th, New York, N. Y.

ELEVATORS, Carriage, Automobile, Etc.

Energy Elevator Co., 217 New, Phila., Pa.
Grote (F.) Mfg. Co., Evansville, Ind.
Otis Elevator Co., 11th Av. and 26th, New York, N. Y.
Sedgwick Mach. Wks., 160 W. 15th, New York, N. Y.
Sidney Elevator Mfg. Co., Sidney, O.

ELEVATORS,, Freight

Decatur Foundry Furnace & Machine Co., Decatur, Ind.
Ec Kordt Mfg. Co., St. Paul, Minn.
Elevator Construction Co., Pittsburgh, Pa.
Energy Elevator Co., 217 New, Phila., Pa.
Graves Elevator Co., Rochester, N. Y.
Haughton Elevator & Mach. Co., Toledo, O.
Kieckhefer (A.) Elevator Co., Milwaukee, Wis.
Kimball Bros. Co., Council Bluffs, Ia.
Lagerquist (Gust) & Sons, Minneapolis, Minn.
Marshall Bros. Co., Pittsburgh, Pa.
Ohio Elevator & Mach. Co., Columbus, O.
Otis Elevator Co., 11th Av. and 26th, New York, N. Y.
Sedgwick Mach. Wks., 160 W. 15th, New York, N. Y.
Sidney Elevator Mfg. Co., Sidney, O.
Stoner, Thaw & Co., Pittsburgh, Pa.

ELEVATORS, Hand—See Dumb-Waiters

ELEVATORS, Hand Power

Davis & Newcomer Co., Fostoria, O.
Decatur Foundry Furnace & Machine Co., Decatur, Ind.
Energy Elevator Co., 217 New, Phila., Pa.
Grote (F.) Mfg. Co., Evansville, Ind.
Kieckhefer (A.) Elevator Co., Milwaukee, Wis.
Kimball Bros. Co., Council Bluffs, Ia.
Lagerquist (Gust) & Sons, Minneapolis, Minn.
Otis Elevator Co., 11th Av. and 26th, New York, N. Y.
Portable Elevator Mfg. Co., Bloomington, Ill. "Little Giant," "National"
Prince Elevator Co., Chicago, Ill.
Sedgwick Mach. Wks., 160 W. 15th, New York, N. Y.
Sidney Elevator Mfg. Co., Sidney, O.

ELEVATORS, Invalid

Energy Elevator Co., 217 New, Phila., Pa.
Otis Elevator Co., 11th Av. and 26th, New York, N. Y.
Sedgwick Mach. Wks., 160 W. 15th, New York, N. Y.
Sidney Elevator Mfg. Co., Sidney, O.

ELEVATORS, Residence, Electric

Sedgwick Mach. Wks., 160 W. 15th, New York, N. Y.

ELEVATORS, Residence, Individual

Sedgwick Mach. Wks., 160 W. 15th, New York, N. Y.

ELEVATORS, Sidewalk

Abell Elevator Co., Louisville, Ky.
Burwak Elevator Co., 227 Fulton, New York, N. Y.
Chelsea Elevator Co., 101 Park Av., New York, N. Y.
Cohoes Iron Foundry & Mach. Co., Cohoes, N. Y.
Curran (Jas. H.) Elevator Co., Cincinnati, O.
Eastern Mchy. Co., New Haven, Conn.
Edmonds Elevator Co., Cleveland, O.
Energy Elevator Co., 217 New, Phila., Pa.
Ernst, Chas. K., Buffalo, N. Y.
Grote (F.) Mfg. Co., Evansville, Ind.
Haughton Elevator & Mach. Co., Toledo, O.
Kansas City Elevator Mfg. Co., Kansas City, Mo.
Kieckhefer (A.) Elevator Co., Milwaukee, Wis.
Kimball Bros. Co., Council Bluffs, Ia.
McLauthlin (Geo. T.) Co., Boston, Mass.
Marshall Bros. Co., Pittsburgh, Pa.
Miller (Wm. A.) Mach. & Elevator Co., St. Louis, Mo.
Ohio Elevator & Mach. Co., Columbus, O.
Otis Elevator Co., 11th Av. & 26th, New York, N. Y.
Prince Elevator Co., Chicago, Ill.
Reedy (H. J.) Elevator Co., Cincinnati, O.
Sedgwick Mach. Wks., 160 W. 15th, New York, N. Y. (Hand & Electric)
Sidney Elevator Mfg. Co., Sidney, O.
Speidel, John G., Reading, Pa.
Storm Mfg. Co., 50 Vesey, Newark, N. J.
Warner Elevator Mfg. Co., Cincinnati, O.
Warsaw Elevator Co., Warsaw, N. Y.

ELEVATORS, Wall—See Dumb-Waiters

ELEVATORS, Water

Myers (F. E.) & Bro. Co., 902 Church, Ashland, O. (Hand or Power)

ELIMINATORS, "B" BATTERY—See Radio "B" Battery Eliminators

EMERGENCY TANKS—See Tanks, Emergency

EMERY PASTES—See Pastes, Emery

EMERY STONES—See Stones, Emery

EMERY WHEEL DRESSERS—See Dressers, Emery Wheel

EMERY WHEELS—See Wheels, Grinding, Emery and Corundum

ENAMEL PAINTS—See Paints, Enamel

ENAMEL REMOVERS—See Removers, Paint and Varnish

ENAMEL SIGNS—See Signs, Enamel

ENAMELED CLOTH—See Oilcloth

ENAMELED COOKING and HOUSEHOLD UTENSILS—See Ware, Enameled

ENAMELED IRON BATH TUBS—See Tubs, Bath, Enameled Iron

ENAMELED WARE—See Ware, Enameled

ENAMELED WARE KETTLES—See Kettles, Tea, Range and Stove, Enameled Ware

ENAMELS, Floor

Armstrong Pt. & Varnish Wks., Chicago, Ill. "Armello," "Armorite," "Armor-Seal," "Boss Painter," "Evry-Use," "Kilbourn," "Pawnee"
Atlantic Drier & Varnish Co., Phila, Pa.
Billings-Chapin Co., Cleveland, O. "Decolac"
Boston Varnish Co. (Everett), Boston, Mass. "Kyanize"
Central Paint & Varnish Works, 69 Prospect, Bklyn., N. Y. "Tuff-Dri"
Chicago Paint Wks., Chicago, Ill.
Con-Ferro Paint & Varnish Co., St. Louis, Mo. "Bestek"
Devoe & Raynolds Co., 1 W. 47th, New York, N. Y. "Artlac," "Mirrolac"
Foy Paint Co., Inc., Cincinnati (Norwood), O. "Dri-Fast"
Glidden Co., Cleveland, O. "Florenamel"
Lucas (John) & Co., Inc., Phila., Pa.
Mound City Paint & Color Co., St. Louis, Mo. "Horse-Shoe"
Peninsular Paint & Varnish Co., Detroit, Mich. "Intex"
Pittsburgh Plate Glass Co., Milwaukee, Wis. "Patton's Florhide," "Patton's Porcbite"
Pratt & Lambert, Inc., Buffalo, N. Y. "61"
Sapolin Co., 229 E. 42d, New York, N. Y. "Speed Enamel"
Sherwin-Williams Co., Cleveland, O.

ENAMELS, Stove Pipe

Bettes (A. O.) Mfg. Co., Kansas City, Mo.
Boston Varnish Co., Boston, Mass. "Dinah Black"
Carpenter-Morton Co., Boston, Mass. "Carmote"
Certain-teed Products Corp., 100 E. 42d, New York, N. Y.
Con-Ferro Paint & Varnish Co., St. Louis, Mo. "Eureka"
Felton-Sibley & Co., Inc., Phila., Pa.
Foy Paint Co., Inc., Cincinnati (Norwood), O.
Goheen Corp., 46 Albert Av., Newark, N. J.
Kahn (H.) & Co., Phila., Pa. "Supreme"
Lucas (John) & Co., Inc., Phila., Pa.
Martin & Martin, Chicago, Ill. "E-Z"
Moore (Benj.) & Co., 511 Canal, New York, N. Y.
Rutland Fire Clay Co., Rutland, Vt.
Sapolin Co., 229 E. 42d, New York, N. Y. "Speed Enamel"
Varcraft Wks., Pottstown, Pa.

ENCLOSURES, Radiator—See Cabinets, Radiator

ENDGATES, Wagon Jump

Ernsdorff (John) Iron Co., Dubuque, Ia. "J-er-i-co"
Schroeder (H. V.) Mfg. Co., Minier, Ill.
Thieman Harvester Co., Inc., Albert City, Ia.

ENDS and DROPS, Eave Trough

Braden Mfg. Co., Terre Haute, Ind. "Champion"
Milcor Steel Co., Milwaukee, Wis.

ENGINE POWER CLOTHES WASHING MACHINES—See Washing Machines, Clothes, Engine Power

ENGINEERS' HAMMERS—See Hammers, Engineers'

ENGINEERS' TOOLS and SUPPLIES—See article desired

ENGINEERS' WRENCHES—See Wrenches, Engineers'

ENGINES, Crude Oil—See Engines, Oil Crude

ENGINES, Fire, Toy

American Flyer Mfg. Co., 2219 S. Halsted, Chicago, Ill. "Structo"
Arcade Mfg. Co., Freeport, Ill.
Buddy "L" Mfg. Co., East Moline, Ill. (Pull-N-Ride)
Kenton Hdwe. Co., Kenton, O.
Kingsbury Mfg. Co., Keene, N. H.
Republic Tool Products Co., Dayton, O.
Schieble Toy & Novelty Co., Dayton, O.
Toledo Metal Wheel Co., Toledo, O. "Blue Streak"

ENGINES, Gasoline

Aermotor Co., Chicago, Ill.
Algoma Foundry & Mach. Co., Algoma, Wis. "O. K."
Appleton Mfg. Co., Batavia, Ill.
Associated Manufacturers Co., Waterloo, Ia. "Chore Boy," "Eight Mule Team," "Eighteen Mule Team," "Four Mule Team," "Hired Hand," "Hired Man," "Jack Boy," "Johnny Boy," "Six Mule Team," "Three Mule Team," "Twelve Mule Team"
C. H. & E. Mfg. Co., Milwaukee, Wis.
Case (J. L.) Co., Racine, Wis.
Challenge Co., Batavia, Ill.
Charter Gas Engine Co., Sterling, Ill.
Chicago Flexible Shaft Co., Chicago, Ill. "Stewart"
Deere (John) Tractor Co., Waterloo, Ia.
Dissinger (C. H. A.) & Bro. Co., Wrightsville, Pa. "Capital"
Domestic Engine & Pump Co., Shippensburg, Pa. "Junior," "Shippensburg"
Eagle Mfg. Co., Appleton, Wis.
Fairbanks, Morse & Co., Chicago, Ill. "Eclipse," "Jack," "Jack of All Trades," "Z"
Fairmont Railway Motors, Inc., Fairmont, Minn.
Field Force Pump Co., Elmira, N. Y. "Elmira," "Leader"
Fuller & Johnson Mfg. Co., Madison Wis. "Farm Pump," "Model N" (Single & Multiple Cylinder)
Gade Bros. Mfg. Co., Iowa Falls, Ia.
Hardie Mfg. Co., Hudson, Mich. "Ideal"
Havana Mfg. Co., Havana, Ill.
Hercules Products, Inc., Evansville, Ind.
Howell (R. R.) & Co., Minneapolis, Minn. "Monarch"
Hydraulic Press Mfg. Co., Mt. Gilead, O. "Novo," "Strover"
Independent Harvester Co., Plano, Ill.
International Harvester Co. of America, Chicago, Ill. "McCormick-Deering"
Lauson-Lawton Co., De Pere, Wis. "Wisconsin"
Maytag Co., Newton, Ia.
Middletown Mfg. Co., Trenton, O. "Miami," "Woodpecker"
Miller (Geo. B.) & Son Co., Waterloo, Ia. "Faultless"
Millers Motor Corp., Chicago, Ill. (Motor Boat)
Moore Plow & Implement Co., Greeenville, Mich. "Sure-Cool"
Nelson Bros. Co., Saginaw, Mich. "Jumbo," "Little Jumbo," "Little Trojan"
New Holland Mach. Co., New Holland, Pa.
Niagara Motors Corp., Dunkirk, N. Y.
Novo Engine Co., Lansing, Mich.
Ottawa Mfg. Co., Ottawa, Kan.
Rock Island Plow Co., Rock Island, Ill.
Sandwich Mfg. Co., Sandwich, Ill.
Scott & Ewing Co., Bluffton, O.
Stearns Motor Mfg. Co., Ludington, Mich. "Gile"
Stover Mfg. & Engine Co., Freeport, Ill. "Good"
Superior Engine Co., Springfield, O.
Thompson Plow & Engine Wks., Beloit, Wis. "Tiger"
United Engine Co., Lansing, Mich. "Banner," "U. M. A."
Universal Motor Co., Oshkosh, Wis.
Warner Steel Products Co., Ottawa, Kan. "Giant," "Western Special"
Waterloo Construction Mchy. Co., Waterloo, Ia. "Wonder"
Witte Engine Wks., Kansas City, Mo.
Worthington Pump & Mchy. Corp., 115 B'way, New York, N. Y. "Ingeco"

ENGINES, Kerosene

Adco Mfg. Co., Columbus, O.
Advance-Rumely Thresher Co., La Porte, Ind. "Rumely"
Algoma Foundry & Mach. Co., Algoma, Wis. "O. K."
Appleton Mfg. Co., Batavia, Ill.
Associated Manufacturers Co., Waterloo, Ia. "Chore Boy," "Eight Mule Team," "Eighteen Mule Team," "Four Mule Team," "Hired Hand," "Hired Man," "Jack Boy," "Johnny Boy," "Six Mule Team," "Three Mule Team," "Twelve Mule Team"
Challenge Co., Batavia, Ill.
Charter Gas Engine Co., Sterling, Ill.
Cooper-Bessemer Corp., (Bessemer Div.), Grove City, Pa.
Deere (John) Tractor Co., Waterloo, Ia.
Dempster Mill Mfg. Co., Beatrice, Neb.
Eagle Mfg. Co., Appleton, Wis.
Fairbanks, Morse & Co., Chicago, Ill. "Eclipse," "Jack," "Jack of All Trades," "Z"
Fairmont Railway Motors, Inc., Fairmont, Minn.
Fuller & Johnson Mfg. Co., Madison Wis. "Model K"
International Harvester Co. of America, Chicago, Ill. "McCormick Deering"
Middletown Mfg. Co., Trenton, O. "Miami," "Woodpecker"
Miller (Geo. B.) & Son Co., Waterloo, Ia. "Faultless"
Millers Motor Corp., Chicago, Ill. (Motor Boat)
Nelson Bros. Co., Saginaw, Mich. "Jumbo"
New Holland Mach. Co., New Holland, Pa.
Niagara Motors Corp., Dunkirk, N. Y.
Novo Engine Co., Lansing, Mich.
Sandwich Mfg. Co., Sandwich, Ill.
Stover Mfg. & Engine Co., Freeport, Ill. "Good"
Superior Engine Co., Springfield, O. "Special," "Standard"
United Engine Co., Lansing, Mich.
Witte Engine Wks., Kansas City, Mo.
Worthington Pump & Mchy. Corp., 115 B'way, New York, N. Y. "Ingeco"

ENGINES, Marine, Inboard—See Motors, Boat, Inboard

ENGINES, Marine, Outboard—See Motors, Boat, Outboard

ENGINES, Oil, Crude

(See also Engines, Kerosene)

Adco Mfg. Co., Columbus, O.
Charter Gas Engine Co., Sterling, Ill.
Cooper-Bessemer Corp. (Bessemer Div.), Grove City, Pa. (Diesel)
Davenport Mfg. Co., Davenport, Ia.
Fairbanks, Morse & Co., Chicago, Ill. "Z"
Niagara Motors Corp., Dunkirk, N. Y.
Stover Mfg. & Engine Co., Freeport, Ill.
Venn-Severin Mach. Co., Chicago, Ill.
Worthington Pump & Mchy. Corp., 115 B'way, New York, N. Y. "Ingeco"

ENGINES, Toy

Buddy "L" Mfg. Co., East Moline, Ill.
Kenton Hdw. Co., Kenton, O.
Metal Ware Corp., Two Rivers, Wis. (Steam) "Empire"
Weeden Mfg. Co., New Bedford, Mass. (Steam)

ENSILAGE CARRIERS—See Carriers, Feed

ENSILAGE FORKS—See Forks, Ensilage

ENSILAGE KNIVES—See Knives, Ensilage

ENTRANCE DOOR HANDLES—See Handles, Entrance Door

EQUIPMENT, Home Workshop

Ackerman, Steffan & Co., Chicago, Ill. "Trojan"
Barnes (W. F. & John) Co., Rockford, Ill.
Beebe Bros., Inc., Seattle, Wash. "Little Cut-Up"
Boice, W. B. & J. E., Toledo, O.
Delta Specialty Co., Milwaukee, Wis.
Foley Mfg. Co., Minneapolis, Minn. "Electra-Keen"
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Thomas & Nye, Inc., Warren, O. "Speed-Saw"
Up-To-Date Machine Works, Chicago, Ill. "Superior"
Walker-Turner Co., Inc., Plainfield, N. J. "Driver"
Wallace (J. D.) & Co., Chicago, Ill.

EQUIPMENT, Kitchen—See Supplies, Kitchen, also article desired

EQUIPMENT, Playground

American-National Co., Toledo, O.
American Play Ground Device Co., Anderson, Ind.
Anchor Post Fence Co., Baltimore, Md.
Benner Mfg. Co., Lancaster, Pa.
Chicago Gymnasium Equipment Co., Chicago, Ill.
Cyclone Fence Co., Waukegan, Ill.
Dayton Toy & Specialty Co., Dayton, O. "Son-ny"
Everwear Mfg. Co., Springfield, O.
Gem Mfg. Co., Bascom, O.
Gendron Wheel Co., Toledo, O. "Pioneer"
George, Howard, Phila., Pa.
Giant Mfg. Co., Council Bluffs, Ia.
Goldsmith (P.) Sons Co., Cincinnati, O.
Hill-Standard Mfg. Co., Anderson, Ind. "Fun Ful"
Jamison (Robert W.) Mfg. Co., Los Angeles, Cal.
Louden Machinery Co., Fairfield, Ia.
Medart (Fred) Mfg. Co., St. Louis, Mo.
Merremaker Corp., Minneapolis, Minn.
Mitchell Mfg. Co., Milwaukee, Wis.
Mordt Co., Chicago, Ill.
Newark Steel Post Co., 75 Main, West Orange, N. J. (Swings)
Playground Equipment Co., Inc., 82 Duane, New York, N. Y. "Junglegym"
Roe (L. I.) Co., Stanley, Wis.
Rotary Clothes Dryer Co., Allentown, Pa. "Joy Wheel"
Safety Equipment Service Co., Cleveland, O.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Tethill, W. S., Chicago, Ill.
Toledo Metal Wheel Co., Toledo, O. "Blue Streak"
Woolman Mfg. & Sales Co., Inc., Los Angeles, Cal. "Scoot-Around"

ESCUTCHEONS

(See also Plates, Key)

American Ring Co., Waterbury, Conn.
American Specialty Co., Bridgeport, Conn.
Barrows Lock Works of Yale & Towne Mfg. Co., Lockport, Ill.
Bassick Co., Bridgeport, Conn.
Beardsley & Wolcott Mfg. Co., Waterville, Conn.
Brainerd Mfg. Co., East Rochester, N. Y.
Brass Goods Mfg. Co., 345 Eldert, B'klyn, N. Y.
Corbin, P. & F., New Britain, Conn.
Corbin Cabinet Lock Co., New Britain, Conn.
Detroit Hdw. Mfg. Co., Detroit, Mich.
Eagle Lock Co., Terryville, Conn.

ESCUTCHEONS (Continued)

Excelsior Tool & Mfg. Co., 881 E. 147th, New York, N. Y.
Foster, Merriam & Co., Meriden, Conn. "Efemco"
Frantz Mfg. Co., Sterling, Ill.
Grand Rapids Brass Co., Grand Rapids, Mich.
Laughlin (Thos.) Co., Portland, Me.
Lockwood Mfg. Co., So. Norwalk, Conn.
Ludwig (A.) & Co., 75 Spring, New York, N. Y.
National Brass Co., Grand Rapids, Mich. "Essential"
Norwalk Lock Co., 12 Warren, New York, N. Y.
Piqua Handle & Mfg. Co., Piqua, O.
Reading Hdw. Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn. "Russwin"
Sager Lock Works of Yale & Towne Mfg. Co., North Chicago, Ill.
Sargent & Co., New Haven, Conn.
Shelby Spring Hinge Co., Shelby, O.
Waddell Mfg. Co., Grand Rapids, Mich.
Waterbury Button & Mfg. Co., Waterbury, Conn.
Yale & Towne Mfg. Co., Stamford, Conn.

ESCUTCHEON PINS—See Pins, Escutcheon

EXERCISERS

Draper-Maynard Co., Plymouth, N. H.
Fisher (Adam) Mfg. Co., St. Louis, Mo. (Wrist)
Medart (Fred) Mfg. Co., St. Louis, Mo.
Moosehead-Whitely Exerciser Co., Roselle Park, N. J.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.) Wright & Ditson Co., Phila., Pa.
Rodale Mfg. Co., Inc., Emaus, Pa.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
United Mfg. Co., Portland, Ore.
Williams (F. B.) Co., Chicago, Ill. "Crown"

EXERCISERS, Health

Berghman Co., Chicago, Ill. (Electric)
Burdick Corp., Milton, Wis.
Campbell (Wm.) Co., Alliance, O.
Daley Equipment Co., Cleveland, O.
Devices Corp., Cambridge, Mass. "University"
Diamond Appliance Co., South Bend, Ind. "Daco"
Electric Mach. Co., Indianapolis, Ind. "Elmco"
Excelsior Cycle Co., Michigan City, Ind. "Deluxe"
Fitzgerald Mfg. Co., Torrington, Conn. "Star-Rite"
Geier (P. A.) Co., Cleveland, O. "Royal Health Builder"
Health Developing Apparatus Co., Inc., 212 Fifth Av., New York, N. Y. "Vig-Row"
Holms Mfg. Co., Kenosha, Wis. "Vibratone"
Janette Mfg. Co., Chicago, Ill.
Knott & Garluss, Detroit, Mich., "Vita"
McDowell Mfg. Co., Millvale Station, Pittsburgh, Pa.
Master Electric Co., Dayton, O. "Healthizer"
Moosehead-Whitely Exerciser Co., Roselle Park, N. J. "Whitely"
Oaks-Swenson Co., Indianapolis, Ind. "Nu-Life"
Sabin Machine Co., Cleveland, O.
Sanitarium Equipment Co., Battle Creek, Mich. "Battle Creek"
Savage Arms Co., Utica, N. Y.
Scott, L. L., St. Louis, Mo. "Health-Glo"
Tower Mfg. Co., Boston, Mass.

EXHAUST FANS—See Fans, Exhaust

EXPANDED METAL LATH—See Lath Metal, Expanded

EXPANDERS, Tube

Ajax Mfg. Co., Pittsburgh, Pa. "Collins," "Pittsburgh"
Bullock (C. K.) Co., Phila., Pa.
Faessler (J.) Mfg. Co., Moberly, Mo.
Helwig Mfg. Co., St. Paul, Minn.
Henderer's (A. L.) Sons, Wilmington, Del. "Fergusons," "High Speed"
International Nutyp Tool Corp., Oswego, N. Y. "Oswego"
Key Boiler Equipment Co., East St. Louis, Ill.
Lovejoy Tool Works, Chicago, Ill. "All-Steel," "Universal"
Nicholson (W. H.) & Co., Wilkes-Barre, Pa.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Scully Steel & Iron Co., Chicago, Ill.
Wiedeke (Gustave) & Co., Dayton, O. "Arch," "Dayton," "Ideal," "Victor"
Waltham Appliance Co., Waltham, Mass.

EXPANSION PLIERS—See Pliers, Expansion

EXPANSION PLUGS—See Plugs, Expansion

EXPANSION REAMERS—See Reamers, Expansion

EXPANSIVE BITS—See Bits, Expansive

EXPANSIVE BOLTS—See Bolts, Expansion

EXPLOSIVES—See Dynamite; also Powder, Blasting

EXPRESS WAGONS, Children's — See Wagons, Coaster

EXTENSION BARS—See Bars, Extension

EXTENSION BITS—See Extensions, Bit Brace

EXTENSION BOLTS—See Bolts, Extension

EXTENSION CLOTHES CLOSET RODS—See Rods, Clothes Closet, Extension

EXTENSION CORD—See Cords, Extension

EXTENSION LADDERS—See Ladders, Extension

EXTENSION RULES—See Rules, Extension

EXTENSIONS, Bit Brace

Carson-Newton Co., 21 Prospect, Newark, N. J. "Jones"
Consolidated Tool Wks., 509 Madison Av., New York, N. Y. "Pilot"
Greenlee Tool Co., Rockford, Ill.
Mayhew Steel Products, Inc., Shelburne Falls, Mass.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
North Bros. Mfg. Co., Phila., Pa. "Yankee"
Stanley Works, New Britain, Conn.
Swan (James) Co., Seymour, Conn.

EXTENSIONS, Tap

Allen Mfg. Co., 133 Sheldon, Hartford, Conn.

EXTERMINATORS, Insect

(See also Insecticides)

American Cyanamid Sales Co., 535 5th Av., New York, N. Y. "Cyanogas"
Antrol Laboratories, Inc., Los Angeles, Cal. "Snarol"
Arrow Mfg. Co., Chicago, Ill. (Vapo-Spray Moth Gun)
Atlantic Pharmacal Co., Boston, Mass. "Apco," "Moth Killer"
Automatic Washer Co., Newton, Ia. (Moth)
Barrett Chemical Co., Bush Terminal, B'klyn, N. Y.
Black Flag Co., Baltimore, Md.
Bristol Drug Co., Ansonia, Conn.
Carbola Chemical Co., Natural Bridge, N. Y. "C C C"
Common Sense Mfg. Co., Buffalo, N. Y.
Connecticut Chemical & Disinfectant Co., New Haven, Conn. "Kill-O-Mist"
Creative Chemical Co., Pittsburgh, Pa.
Cremoline Co., Inc., St. Louis, Mo.
Dolge (C. B.) Co., Westport, Conn. "Dolco"
Enoz Chemical Co., Chicago, Ill. (Liquid)
Excelsior Fly Paper Mills, Chicago, Ill.
Felix-Gerard Co., Inc., Minneapolis, Minn.
Flash Chemical Co., Cambridge, Mass, "Cafo-Cear"
Fleck, J. J., Tiffin, O. (Lice)
Frank (P. M.) Disinfecting Co., 494 Broome, New York, N. Y.
General Laboratories, Inc., Madison, Wis. "Indor"
Getz Exterminators, Inc., St. Louis, Mo.
Grasselli Chemical Co., Cleveland, O. "Dutox"
Hammond (W. P.) & Son, Inc., Milwaukee, Wis.
Hoover Co., North Canton, O. "Konate" (Moth Exterminator)
Jamieson (C. E.) & Co., Detroit, Mich. "Fly-Ex"
Insecticide Co., San Francisco, Cal.
McCormick & Co., Inc., Baltimore, Md. "Bee Brand"
McLaughlin Gormley King Co., Minneapolis, Minn. "Ever Green"
Midway Chemical Co., Chicago, Ill. "FLYded," "Swish"
Morisrite System Exterminating, Bloomfield, N. J.
Mothimune Products, Inc., 29 E. 22d, New York, N. Y. (Moth)
Murray (Edgar A.) Co., Detroit, Mich. "Doom"
O-Cedar Corp., Chicago, Ill.
Opitz (John) Inc., 220 E. 42nd, New York, N. Y. "J-O"
Orient Spray Co., Boston, Mass.
Peres (Frederick) & Co., Chicago, Ill.
Peterman, Wm., 110 Washington, New York, N. Y. "Flyosan"
Rat Biscuit Co., Springfield, O.
Reynolds (Jas. T.) & Son, Lapeer, Mich.
Sallade & Co., 121 Leroy, New York, N. Y.
Sawyer Chemical Corp., 161 W. 64th, New York, N. Y. "Ce-Da" (Moth), "Hypo" (Spray Gun), "Odac"
Sentry Products Co., Boston, Mass. "Anti-Moth"
Stearns Electric Paste Co., Chicago, Ill.
Stumpfs (John) Sons, Gretna, La.
Superior Laboratories, Grand Rapids, Mich. "Mistalyse"
Tanglefoot Co., Grand Rapids, Mich.
Thompson (F. A.) & Co., Detroit, Mich.
Tobacco By-Products & Chemical Corp., Louisville, Ky. "Black Leaf 40"
Worrell Mfg. Co., St. Louis, Mo.

EXTERMINATORS, Rat

(See also Exterminators, Insect)

American Cyanamid Sales Co., 535 5th Av., New York, N. Y. "Cyanogas"
Carbola Chemical Co., Inc., Natural Bridge, New York, N. Y. "C C C"
Connecticut Chemical & Disinfectant Co., New Haven, Conn. "Supreme"
Dolge (C. B.) Co., Westport, Conn. "Dolco"
Essential Mfg. Co., Phila., Pa. (Rat Corn)
Felix-Girard Co., Inc., Minneapolis, Minn.
Hammond (W. P.) & Son, Inc., Milwaukee, Wis.
Heller (B.) & Co., Chicago, Ill.
Jamieson (C. E.) & Co., Detroit, Mich. "Rodomort"
Liquid Veneer Corp., Buffalo, N. Y. "Rat-Nip"
Morisrite System Exterminating Co., Bloomfield, N. J.
Murray (Edgar A.) Co., Detroit, Mich. "Doom"
Pacific States Fireworks Co., Los Gatos, Cal.
Rat Biscuit Co., Springfield, O.
Shaver-Blake Co., Cedar Rapids, Ia.
Toledo Rexspray Co., Toledo, O. "Rat-Tox"
Worrell Mfg Co., St. Louis, Mo.

EXTINGUISHERS, Fire

Allen (W. D.) Mfg. Co., Chicago, Ill. "First Aid," "Reddy Hand"
American-La France & Foamite Corp., Elmira, N. Y. "Alert," "Alfite," "Alfoam," "Alfoam Junior," "Fire-Gun," "La France," "Rescue"
Badger Chemical Mfg. Co., Milwaukee, Wis. "Wisconsin"
Badger Fire Extinguisher Co., Boston, Mass. (Foam Type)
Buffalo Fire Appliance Corp., Buffalo, N. Y.
Diener (Geo. W.) Mfg. Co., Chicago, Ill.
Firemaster Co., 682 Sixth Av., New York, N. Y.
Fyr-Fyter Co., Dayton, O. "F-F"
General Mfg. Co., St. Louis, Mo. "Alaskan," "Commander," "Eclipse," "Floafome," "Protector," "Red Star," "Red Top," "Universal"
Knight & Thomas, Boston, Mass. "Protector," "Vulcan"
Laughlin (Thos.) Co., Portland, Me.
Phister Mfg. Co., Cincinnati, O.
Protex Chemical Co., 1472 B'way, New York, N. Y.
Pyrene Mfg. Co., 520 Belmont Av., Newark, N. J. "Accurate," "Duragarde," "Essanay," "Fastfome," "Guardene," "Phomene"
Safety Fire Extinguisher Co., 291 7th Av., New York, N. Y.
Schriver (O. P.) Co., Cincinnati, O.
Standard Extinguisher Co., Boston, Mass.
Stop-Fire, Inc., 621 E. 216th, New York, N. Y.
Wirt & Knox Mfg. Co., Phila., Pa.

EXTINGUISHERS, Fire, Automobile

American-La France & Foamite Corp., Elmira, N. Y. "Fire-Gun"
Badger Fire Extinguisher Co., Boston, Mass.
Buffalo Fire Appliance Corp., Buffalo, N. Y. "Niagara"
Fyr-Fyter Co., Dayton, O.
Pyrene Mfg. Co., 520 Belmont Av., Newark, N. J.
Stop-Fire, Inc., 621 E. 216th, New York, N. Y.

EXTRACTORS, Cotter Pin

American Swiss File & Tool Co., Elizabeth, N. J.
Billings & Spencer Co., Hartford, Conn.
Buffum (Frank G.) Mfg. Co., Louisiana, Mo.
Carver Tool Wks., Spring Valley, N. Y.
Chapin-Stephens Co., Pine Meadow, Conn.
Clinton Mach. Wks., Clinton, Mass.
Fairmount Tool & Forging Co., Cleveland, O.
Heller Bros. Co., 879 Mt. Prospect Av., Newark, N. J.
Kilborn & Bishop Co., New Haven, Conn. "Green Line"
Horning Products Co., Little Valley, N. Y. "Flinkor"
Kraeuter & Co., 575 18th Av., Newark, N. J.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Mound Tool Co., St. Louis, Mo.
Osborne (C. S.) & Co., Box 183, Newark, N. J.
Plomb Tool Co., Los Angeles, Cal.
Southington Mfg. Co., Southington, Conn. "Pioneer"
Stortz (John) & Son, Phila., Pa.
Tiffany, Carroll R., Conklin, N. Y. "Ace"
Vlchek Tool Co., 3006 E. 87th, Cleveland, O.
Zim Mfg. Co., Chicago, Ill.

EXTRACTORS, ELECTRIC EARTHWORM — See Worm Charmers, Electric

EXTRACTORS, FRUIT—See Presses, Fruit

EXTRACTORS, Fruit Juice

Ade-O-Matic Porcelain Products Co., Los Angeles, Cal.
Aluminum & Metal Products Corp., Buffalo, N. Y. "Magic"
American Utensil Co., Chicago, Ill. "Sep-ro-siv"
Beardsley & Wolcott Mfg. Co., Waterville, Conn. "Wilwear"
Chicago Flexible Shaft Co., Chicago, Ill. "Sunbeam Mixmaster," (Elec.)
Doehler Die Casting Co., 386 4th Av., New York, N. Y. "Juicemaster"
Dormeyer (A. F.) Mfg. Co., Chicago, Ill. "Royal Dormeyer"
Fitzgerald Mfg. Co., Torrington, Conn. "Magic Maid" (Electric)
Florida Citrus Exchange, Tampa, Fla. "Seald Sweet"
General Grinder Corp., Milwaukee, Wis.
General Mfg. Co., Inc., Dayton, O. "Servmor"
Gilbert (A. C.) Co., New Haven, Conn. "Sunkist Junior" (Electric)
Gray Iron Fdry. Co., Reading, Pa.
Griswold Mfg. Co., Erie, Pa.
H. & R. Specialties, Inc., Milwaukee, Wis.
Hammacher, Schlemmer & Co., 13th & 4th Av., New York, N. Y. "Press-Or"
Hamilton Beach Mfg. Co., Racine, Wis. "Arnold" (Electric)
Handy-Andy Specialty Co., 39-40 22d, Long Island City, N. Y.
Handy Things Mfg. Co., Ludington, Mich.
Hoe Corp., Poughkeepsie, N. Y. "Merryway" (Electric)
Holmes Mfg. Co., Los Angeles, Cal. "California"
K-D Mfg. Co., Lancaster, Pa. "Becky Porter"

EXTRACTORS, Fruit Juice (Continued)

Knapp-Monarch Co., Belleville, Ill. "Orange Juicer" (Also Grapefruit)
Landers, Frary & Clark, New Britain, Conn. "Universal"
McDowell Mfg. Co., Millvale Station, Pittsburgh, Pa. "Dilver"
National Electric Appliance Corp., Bridgeport, Conn. "Presto Juicer"
New Standard Corp., Mt. Joy, Pa. "Dandy"
Pease, E. S., Naylor Bldg., Buffalo, N. Y. "Radnt"
Priscilla Household Aids, Inc., Cleveland, O.
R. S. Supply Co., New Haven, Conn. "Ideal"
Robbins & Myers Co., Springfield, O. (Combination Drink Mixer)
Signal Elec. Mfg. Co., Menominee, Mich. (Electric)
Smith (D. B.) & Co., Utica, N. Y.
United Electrical Mfg. Co., Adrian, Mich. "Eskimo"
United Royalties Corp., 1133 Bway., New York, N. Y.
United States Lock & Hdw. Co., Columbia, Pa.
Wagner Mfg. Co., Fair Av., Sidney, O.
Walker-Turner Co., Inc., Plainfield, N. J.
Wrightsville Hdw. Co., Wrightsville, Pa. "Brighton"

EXTRACTORS, Hook

Enterprise Mfg. Co., Dept. HA, Akron, O.
Winchester Repeating Arms Co., New Haven, Conn.

EXTRACTORS, Screw

Cleveland Twist Drill Co, Lakeside Av. & E. 40th, Cleveland, O. "Ezy-Out"
Greenfield Tap & Die Corp., Greenfield, Mass. "Little Giant"
Stanley Wks., New Britain, Conn. "Sure Grip"

EXTRACTORS, Shell

Alward-Anderson-Southard Co., Chicago, Ill.
Marble Arms & Mfg. Co., Gladstone, Mich.
Union Hdw. Co., Torrington, Conn.

EYE BOLTS—See Bolts, Eye

EYE and HOOK HINGES—See Hinges, Hook and Eye

EYE SHIELDS, Tennis—See Visors, Sport

EYELET PLIERS—See Pliers, Eyelet

EYELET PUNCHES—See Punches, Eyelet

EYELETS
(See also Grommets)

Agatine Shoe Hook & Eyelet Co., 258 Norfolk, Newark, N. J.
American Ring Co., Waterbury, Conn.
American Specialty Co., Bridgeport, Conn.
Atlas Tack Corp., Fairhaven, Mass.
Bates Mfg. Co., Orange, N. J. "Samson"
Beardsley & Wolcott Mfg. Co., Waterville, Conn.
Dallas Brass & Copper Co., Chicago, Ill.
Defiance Button Mach. Co., 43 W. 24th, New York, N. Y.
Empire Electric & Mfg. Co., Plainville, Conn.
Eyelet Tool Co., Boston, Mass.
Grammes (L. F.) & Sons, Allentown, Pa.
Horn (Wm. H.) & Bro., Phila., Pa.
Hughes Eyelet Co., Taunton, Mass.
Neider (F. A.) Co., Augusta, Ky.
North & Judd Mfg. Co., New Britain, Conn.
O'Hara Waltham Co., Waltham, Mass.
Peerless Mchy. Co., Boston, Mass.
Platt & Bros. Co., Waterbury, Conn.
Rhodes (John C.) & Co., New Bedford, Mass.
Rivet-O Mfg. Co., Orange, Mass.
Sibley (E. L.) Mfg. Co., Bennington, Vt.
Stimpson (Edwin B.) Co., 68 Franklin Av., Bklyn., N. Y.
United Fast Color Eyelet Co., Boston, Mass.
Waterbury Brass Goods Corp., Waterbury, Conn.
Waterbury Button & Mfg. Co., Waterbury, Conn.
Waterbury Mfg. Co., Waterbury, Conn.
Western Cartridge Co., East Alton, Ill.
Wilcox-Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.

EYERS, Pineapple

Ennis Mfg. Co., Reading, Pa.
White (Ira F.) & Son Co., Bloomfield, N. J.

EYES, Padlock

Allith-Prouty Co., Danville, Ill.
Brainerd Mfg. Co., East Rochester, N. Y.
Griffin Mfg. Co., Erie, Pa.
National Mfg. Co., Sterling, Ill.
Sargent & Co., New Haven, Conn.
Yale & Towne Mfg. Co., Stamford, Conn.

EYES. Pole and Shaft

Clapp (E. D.) Mfg. Co., Auburn, N. Y.

EYES, Porcelain, Insulated

Parker Wire Goods Co., Worcester, Mass.

EYES, Screw

Bethlehem Steel Co., S. Bethlehem, Pa.
Brooks (M. S.) & Sons, Chester, Conn.
Corbin Cabinet Lock Co., New Britain, Conn.
Hamblin & Russell Mfg. Co., Worcester, Mass
Harper (H M.) Co., Chicago, Ill.
Hess (Chas.) Co., 49-14 Metropolitan Av., Bklyn., N. Y. (Heavy)
Hindley Mfg. Co., Valley Falls, R. I.
Jenckes (E.) Mfg. Co., Worcester, Mass.
Larson, Chas. O., Sterling, Ill.
Parker Metal Goods Co., 18 Grafton, Worcester, Mass.
Parker Wire Goods Co., Worcester, Mass.
Sargent & Co., New Haven, Conn.
Washburn Company, Worcester, Mass.
Wickwire Spencer Steel Co., Inc., 41 E. 42nd, New York, N. Y.
Wilcox, Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.
Wrought Hdw. & Forging Co., Phila., Pa.

EYES and HOOKS, Gate—See Hooks and Eyes, Gate

FABRIC LAMP SHADES—See Shades, Lamp, Fabric

FACTORY BROOMS—See Brooms, Warehouse, Mill and Factory

FACTORY DOOR BOLTS—See Bolts, Door, Factory and Garage

FACTORY STOOLS—See Stools, Shop

FACTORY SUPPLIES—See article desired

FACTORY TRUCKS—See Trucks, Store, Warehouse and Factory

FAMILY SCALES—See Scales, Household or Family

FAMILY UTILITIES—See under Household

FAN BELTS—See Belts, Fan

FAN GUARDS—See Guards, Fan

FANS, Electric Portable

Aldor Corp., Chicago, Ill. "Aldor Jr.," "Aldor Sr."
American Blower Co., Detroit, Mich.
Apex Rotarex Co., Cleveland, O. "Rotarex"
Autovent Fan & Blower Co., Chicago, Ill.
Barber-Colman Co., Rockford, Ill. "Barcol"
Birtman Electric Co., Chicago, Ill. "Fan-O-Heat" (Combination Heater)
Buffalo Forge Co., Buffalo, N. Y.
Century Electric Co., St. Louis, Mo. "Keep-A-Running"
Crosley Radio Corp., Cincinnati, O. "Temperator"
Dallas Engineering Corp., Dallas, Tex.
Delco Appliance Corp., Rochester, N. Y.
Diehl Mfg. Co., Elizabethport, N. J.
Electro Mfg. Co. of America, Phila., Pa. "Circulair"
Emerson Electric Mfg. Co., St. Louis, Mo. "Northwind," "Seabreeze"
Fidelity Electric Co., Lancaster, Pa.
Fitzgerald Mfg. Co., Torrington, Conn. "Star-Rite"
General Electric Co., Bridgeport, Conn.
Gilbert (A. C.) Co., New Haven, Conn. "Polar Cub"
Graybar Electric Co., 420 Lexington Av, New York, N. Y.
Hunter Fan & Motor Co., Memphis, Tenn.
Knapp-Monarch Co., Belleville, Ill. "Koldair," "Monarch"
Mallory (P. R.) & Co., Indianapolis, Ind. (Sedan)
Master Electric Co., Dayton, O. "Master-Bilt," "Gem"
National Stamping & Elec. Wks., Chicago, Ill. "Whie Cross Breeze"
Noblitt-Sparks Industries, Inc., Indianapolis, Ind. "Ace"
Peerless Electric Co., Warren, O.
Robbins & Myers, Springfield, O. "Standard"
Signal Electric Mfg. Co., Menominee, Mich.
Smith (F. A.) Mfg. Co., Rochester, N. Y. "Arctic Aire"
Smith (Wellington J.) Co., Cleveland, O. "Fan-O-Zone" (Air Purifier Comb)
United Electrical Mfg. Co., Adrian, Mich. "Eskimo"
Victor Electric Products, Inc., Cincinnati, O. "Breezespreader," "Luminaire"
Wagner Electric Corp., St. Louis, Mo.
Westinghuose Electric & Mfg. Co., Mansfield, O.
West Wind Corp., Seattle, Wash.

FANS, Exhaust

Airmaster Corp., Chicago, Ill.
Allen Corp., Detroit, Mich.
American Blower Co., Detroit, Mich.
Anderson-Pitt Corp., Kansas City, Mo.
Apex Electrical Mfg. Co., Cleveland, O.
Autovent Fan & Blower Co., Chicago, Ill.
Barnard & Leas Mfg. Co., Moline, Ill.
Buffalo Forge Co., Buffalo, N. Y.
Century Electric Co., St. Louis, Mo. "Keep-A-Running"
Champion Blower & Forge Co., Lancaster, Pa.
Dallas Engineering Corp., Dallas, Tex.
Delco Appliance Corp., Rochester, N. Y.
Delite Mfg. Co., Bryan, O.
DeVilbiss Co., Toledo, O.
Diehl Mfg. Co., Elizabethport, N. J.
Electrovent Fan & Mfg. Co., Chicago, Ill.
Electro-Weld Co., Lynn, Mass. "Breeze-O"
Emerson Electric Mfg. Co., St. Louis, Mo. "Emerson," "Northwind"
Fidelity Electric Co., Lancaster, Pa.
Fitzgerald Mfg. Co., Torrington, Conn. "Star-Rite"
General Electric Co., Schenectady, N. Y. "G-E Whiz"
Graybar Electric Co., 420 Lexington Av., New York, N. Y.
Hartford Blower Co., Hartford, Conn.
Hunter Fan & Motor Co., Fulton, N. Y.
Ilg Electric Ventilating Co., Chicago, Ill.
Kirk & Blum Mfg. Co., Cincinnati, O.
Marathon Elec. Mfg. Co., Wausau, Wis. "O. K."
Meier Electric & Machine Co., Indianapolis, Ind.
National Stamping & Elec. Wks., Chicago, Ill. "White Cross Breeze"
National Screw & Mfg. Co., Cleveland, O. "Gyrotan"
Pangborn Corp., Hagerstown, Md.
Peerless Electric Co., Warren, O.
Perkins (B. F.) & Son, Inc., Holyoke, Mass.
Robbins & Myers Co., Springfield, O. "Standard"
Signal Electric Mfg. Co., Menominee, Mich.
Stover Mfg. & Engine Co., Freeport, Ill.
Sturtevant (B. F.) Co., Boston, Mass.
United Electrical Mfg. Co., Adrian, Mich.
Universal Blower Co., Birmingham, Mich. "Ventor"
Wagner Electric Corp., St. Louis, Mo.
Westinghouse Electric & Mfg. Co., Mansfield, O.
West Wind Corp., Seattle, Wash.

FANS, Furnace, Automatic

A-C Mfg. Co., Inc., Pontiac, Mich.
American Foundry & Furnace Co., Bloomington, Ill.
Autovent Fan & Blower Co., Chicago, Ill.
Campbell Heating Co., Des Moines, Ia.
Emerson Electric Mfg. Co., St. Louis, Mo.
Garden City Fan Co., Chicago, Ill.
Ilg Electric Ventilating Co., Chicago, Ill.
Interstate Elec. Co., St. Louis, Mo.
Johnson Fan & Blower Co., Chicago, Ill.
Peerless Electric Co., Warren, O.
Roan Mfg. Co., Racine, Wis.
Robinson (A. H.) Co., Massillon, O.
Signal Elec. Mfg. Co., Menominee, Mich.
Wagner Electric Corp., St. Louis, Mo.
Warm Air Furnace Co., Cleveland, O.

FARM BASKETS—See Baskets, Farm

FARM BOILERS—See Boilers, Farm

FARM GATES—See Gates, Farm

FARM LEVELS—See Levels, Farm

FARM LIGHTING PLANTS—See Lighting Plants, Farm, Electric

FARM POWDER—See Powder, Blasting

FARM TOOLS and IMPLEMENTS—See article desired

FARM WAGONS—See Wagons, Farm

FARM WIRE FENCE—See Fence, Wire

FARRIERS' HAMMERS—See Hammers, Farriers'

FARRIERS' KNIVES—See Knives, Farriers'

FARRIERS' TOOLS—See Tools, Farriers'; also kind desired

FASTENERS, Bed

G. G. G. Metal Stamping Co., Warren, Pa.
Stanley Wks., New Britain, Conn.
Wrightsville Hdw. Co., Wrightsville, Pa.

FASTENERS, Belt

Bridgeport Chain & Mfg. Co., Bridgeport, Conn.
Bristol Co., Waterbury, Conn.
Clipper Belt Lacer Co., Grand Rapids, Mich.
Crescent Belt Fastener Co., 247 Park Av., New York, N. Y.
Detroit Belt Lacer Co., Detroit, Mich.
Dick (R. & J.) Co., Inc., Passaic, N. J. "Walker"
Flexible Steel Lacing Co., Chicago, Ill. "Alligator," "High Duty"
Greene, Tweed & Co., 109 Duane, New York, N. Y. "Blake's," "Moran's"
Hide Leather & Belting Co., Indianapolis, Ind. "Hilab"
Manufacturers' Belt Hook Co., Chicago, Ill. "Eagle"
Ohio Buff & Mfg. Co., Cincinnati, O.
Parker Metal Goods Co., Worcester, Mass.
Parker Wire Goods Co., Worcester, Mass.
Powers Mfg. Co., Waterloo, Ia.
Pratt (Wm. E.) Mfg. Co., Chicago, Ill.
Republic Steel Corp., Upson Nut Div., Cleveland, O.
Sargent & Co., New Haven, Conn.
Sawyer Belt Hook Co., Pawtucket, R. I. "Sawilco," "Sawyer Clinching"
Southwick (Geo. W.) Co., Stamford, Conn. "Little Giant"
Thacher Belt Hook Co., Pawtucket, R. I.
Universal Products Co., Chicago, Ill.
Washburn Company, Worcester, Mass.

FASTENERS, Box

Acme Steel Co., 2838 Archer Av., Chicago, Ill.
Cary Products Co., Inc., 126 Nassau, Bklyn, N. Y.
Consolidated Steel Strapping Co., Chicago, Ill. (Corrugated) "Apex," "Signode"
Stanley Wks., New Britain, Conn.

FASTENERS, Clothes Line

Crimp Grip Co., Belvidere, Ill.
Lake Mfg. Co., Clarendon, Wis. "Little Wonder"
Stanley Wks., New Britain, Conn.

FASTENERS, Corrugated—See Fasteners, Wood Joint, Corrugated

FASTENERS, Cover, Ironing Board

Morey Mfg. Co., Milwaukee, Wis.

FASTENERS, Curtain

Auto-Vehicle Parts Co., Newport, Ky. "Auveco"
Carr Fastener Co., Cambridge, Mass. "Dot"
Metal Stamping Co., 11th & 44th Av., Long Island City, N. Y. "Ajax," "Perfecto," "Standard'
Scovill Mfg. Co., Plumbers' Brass Goods Div., Waterville, Conn.

FASTENERS, Door, Chain

Bridgeport Chain & Mfg. Co., Bridgeport, Conn.
Corbin, P. & F., New Britain, Conn.
Corbin Cabinet Lock Co., New Britain, Conn.
Detroit Hardware Mfg. Co., Detroit, Mich.
Grey Iron Casting Co., Mt. Joy, Pa.
Ives (H. B.) Co., New Haven, Conn.
Lockwood Mfg. Co., S. Norwalk, Conn.
New York Brass Turning Co., 568 Bway., New York, N. Y. "Brassturn"
Norwalk Lock Co. 12 Warren New York, N. Y.
Peck, Stow & Wilcox Co., Southington, Conn.
Russell (J. M.) Mfg. Co., Naugatuck, Conn.
Russell & Erwin Mfg. Co., New Britain, Conn.
S-B Mfg. Co., Milwaukee, Wis.
Sargent & Co., New Haven, Conn.
Shelby Spring Hinge Co., Shelby, O.
Shelton Tool Co., Shelton, Conn.
Slaymaker Lock Co., Lancaster, Pa.
Stanley Wks., New Britain, Conn.
Yale & Towne Mfg. Co., Stamford, Conn.

FASTENERS, Hoop

Milwaukee Tack Co., Milwaukee, Wis.
Redlich Mfg. Co., Chicago, Ill.

FASTENERS, License Plate
(See also Brackets, License)

Autoquip Mfg. Co., Rochester, N. Y.
C. & E. Mfg. Co., Galesburg, Ill. "Keyles Screw Lock"
Gulotta (Charles) Co., 137 Lafayette, New York, N. Y. "Jewel," "Security"
Protex-A-Motor Mfg. Co., Pittston, Pa. "Protex-A-Car"
Reed & Prince Mfg. Co., Worcester, Mass.
Stevens Walden, Inc., Worcester, Mass.

FASTENERS, Paper—See Clips and Fasteners, Paper

FASTENERS, Sash—See Locks, Sash

FASTENERS, Slate—See Hooks, Slate

FASTENERS, Storm Sash—See Hangers, Window Screen and Storm Sash

FASTENERS, Tag

Consolidated Steel Strapping Co., Chicago, Ill. "Apex"
Dennison Mfg. Co., Framingham, Mass.

FASTENERS, Tire Chain

American Chain Co., Inc., Bridgeport, Conn. "Weed"
Bridgeport Chain & Mfg. Co., Bridgeport, Conn.
Chain Products Co., 3290 Cooper Av., Cleveland, O.
Columbus-McKinnon Chain Co., Tonawanda, N. Y.
Frey, the Wheelman, Inc., Buffalo, N. Y.
Parker Wire Goods Co., Worcester, Mass. "Knock-Out"

FASTENERS, Window, Casement—See Adjusters, Window, Casement

FASTENERS, Window, Screen—See Hangers, Window, Screen

FASTENERS, Wood Joint, Corrugated

Acme Steel Co., 2838 Archer Av., Chicago, Ill. 'Tack-Point)
Cary Products Co., Inc., 126 Nassau, Bklyn., N. Y.
Consolidated Steel Strapping Co., Chicago, Ill. "Apex"
Stanley Wks., New Britain, Conn.

FAUCET ADAPTERS—See Adapters, Faucet

FAUCET FILTERS—See Filters, Faucet

FAUCET WASHERS—See Washers, Faucet

FAUCETS—See also Cocks; also Hydrants

FAUCETS, Brass

Acme Cork Co., 899 3rd Av., New York, N. Y.
Aldrich Mfg. Co., Buffalo, N. Y.
Central Brass Mfg. Co., Cleveland, O. "Paragon"
Chicago Faucet Co., Chicago, Ill.
Cleveland Brass Mfg. Co., Cleveland, O. "Barrett," "Fulflo"
Cordley & Hayes, 149A Hudson, New York, N. Y.
Crane Co., Chicago, Ill.
Dick Bros., Reading, Pa.
Landers, Frary & Clark, New Britain, Conn.
National Enameling & Stamping Co., Milwaukee, Wis.
New York Brass Turning Co., 568 B'way, New York, N. Y.
Sherman (H. B.) Mfg. Co., Battle Creek, Mich. (Shower Valve)
Sommer (John) Faucet Co., 32 Morris Ave., Newark, N. J.

FAUCETS, Oil

Acme Cork Co., 899 3rd Av., New York, N. Y.
Burlington Brass Wks., Burlington, Wis.
Cleveland Brass Mfg. Co., Cleveland, O. "Barrett," "Fulflo"
Landers, Frary & Clark, New Britain, Conn.
McDonald (A. Y.) Mfg. Co., Dubuque, Ia.
Sherman (H. B.) Mfg. Co., Battle Creek, Mich.
Sommer (John) Faucet Co., 32 Morris Av., Newark, N. J.
Stearns (E. C.) Co., Syracuse, N. Y. "Stearns Ecsco"

FAUCETS, Wood

Acme Cork Co., 899 3rd Av., New York, N. Y. "Champion"
Allen, Chas. I., Terryville, Conn. "Eagle," "Eclipse"
Crandall Bros., N. Kingsville, O. "Palmer's"
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Gold Star Products, Inc., Detroit, Mich.
Home Barrel & Keg Wks., Chicago, Ill.
Hydraulic Press Mfg. Co., Mt. Gilead, O.
Redlich Mfg. Co., 637 W. Oak, Chicago, Ill.
Sommer (John) Faucet Co., 32 Morris Av., Newark, N. J. "Diamond Lock," "I. X. L.," "Peerless," "Star," "Washington"
Stiles (H. A.) & Co., Boston, Mass.

FEED CARRIERS—See Carriers, Feed

FEED COOKERS—See Cookers, Feed

FEED CUTTERS—See Cutters, Feed

FEED HOPPERS—See Hoppers, Feed

FEEDERS, Boiler, Water

Myers (F. E.) & Bro. Co., 902 Church, Ashland, O.

FEEDERS, Chick—See Feeders, Poultry, Chick

FEEDERS, Hog

Anderson Mfg. Co., Des Moines, Ia. "Chore Boy"
Beatrice Steel Tank Mfg. Co., Beatrice, Neb. "Nu-Way"
Bernard (Phillip) Co., Sioux City, Ia. "O. K."
Butler Co., Butler, Ind.
Celina Mfg. Co., Celina, O.
Close-To-Nature Co., Colfax, Ia.
Columbian Steel Tank Co., Kansas City, Mo.
Dane Mfg. Co., Dane, Wis. "Can't-Clog"
Drew Line Co., Fort Atkinson, Wis.
Globe American Corp., Kokomo, Ind.
Gregg Mfg. Co., Fredericktown, O. "Universal"
Hall Mfg. Co., Cedar Rapids, Ia. "Red Top"
Hastings Equity Grain Bin Mfg. Co., Hastings, Neb.
McCollough (W. A.) & Son, Webster City, Ia. "Square Deal"
Martin Steel Products Co., Mansfield, O.
Milne Mfg. Co., Monmouth, Ill. "Economy"
Monmouth Silo Co., Monmouth, Ill. "Indestructible"
Oakes Mfg. Co., Tipton, Ind. "Clarke"
Pioneer Mfg. Co. Middlebury, Ind.
Red Cross Mfg. Co. Bluffton, Ind.
Rowe Mfg. Co., Galesburg, Ill. "Force Feed"
Sargent, Osgood & Roundy, Randolph, Vt.
Shaw Mfg. Co., Galesburg, Ill. "Pork Producer," "Waste Less"
Sioux Falls Metal Culvert Co., Sioux Falls, S. D.
St. Paul Corrugating Co., St. Paul, Minn. "Pruden"
Star Tank Co., Goshen, Ind. "Ideal"
Stauffer (H. M.) & Sons, Leola, Pa.
Thieman Harvester Co., Inc., Albert City, Ia.

FEEDERS, Poultry

Advance Mfg. Co., Tipton, Ind.
Anderson Mfg. Co., Des Moines, Ia. "Tip Top"
Beatrice Steel Tank Mfg. Co., Beatrice, Neb. "Nu-Way"
Bernard (Phillip) Co., Sioux City, Ia. "O. K."
Boyer Mfg. Co., Thorntown, Ind.
Buckeye Pottery Co., Macomb, Ill. "Non-Spill"
Capital Incubator Co., St. Paul, Minn.
Cyclone Mfg. Co., Urbana, Ind. "Can't Clog," "No Waste"
Dayton Toy & Specialty Co., Dayton, O. "Daton"
Globe American Corp., Kokomo, Ind. "Long Boy," "Makomb"
Hoeft & Co., Inc., 2309 Davis, North Chicago, Ill. "Big Boy," "Moe's"
James Mfg. Co., Fort Atkinson, Wis. "Jamesway"
Klein Mfg. Co., Burlington, Ia. "K-Line"
Mit-Shel Stamping Mfg. Co., Quincy, Ill.
National Enameling & Stamping Co., Milwaukee, Wis.
New McCurdy Mfg. Co., Ada, O.
New Standard Corp., Mount Joy, Pa.
Oakes Mfg. Co., Tipton, Ind.
Sexton Can Co., Everett, Mass.
United Steel & Wire Co., Battle Creek, Mich.
Vac Mfg. Co., Monmouth, Ill.

FEEDERS, Poultry, Chick

Beatrice Steel Tank Mfg. Co., Beatrice, Neb. "Nu-Way"
Boyer Mfg. Co., Thorntown, Ind.
Buck (Wm. E.) Mfg. Co., Eastport, Me.
Collins, W. H., 445 Greenwich, New York, N. Y.
Columbus Products Co., Columbus, Wis.
Cyclone Mfg. Co., Urbana, Ind. "Babie," "Cymaco"
Dayton Toy & Specialty Co., Dayton, O. "Daton"
Drew Line Co., Fort Atkinson, Wis.
Globe American Corp., Kokomo, Ind. "Hi-Yield," "Makomb"
Hastings Equity Grain Bin Mfg. Co., Hastings, Neb.
Hoeft & Co., Inc., 2309 Davis, Chicago, Ill. "Moe's," "Peerless"
Homer Furnace Co., Coldwater, Mich.
Hudson (H. D.) Mfg. Co., 589 E. Illinois, Chicago, Ill.
James Mfg. Co., Fort Atkinson, Wis. "Jamesway"
Klein Mfg. Co., Burlington, Ia. "K-Line"
Lawson (F. H.) Co., Cincinnati, O. "Lawco"
Mit-Shel Stamping Mfg. Co., Quincy, Ill.
New McCurdy Mfg. Co., Ada, O.
Oakes Mfg. Co., Tipton, Ind. (Buttermilk) (Self Feeder)
Pennsylvania Stamping Corp., York, Pa. "Keystone"
Reliable Incubator & Brooder Co., Quincy, Ill.
Royal Mfg. Co., Toledo, O.
Starline, Inc., Harvard, Ill.
Vac Mfg. Co., Monmouth, Ill.
Weber-Kirch Mfg. Co., Keokuk, Ia. "W-K"
Western Stoneware Co., Monmouth, Ill.

FEEDING CUPS—See Cups, Feeding

FEELER GAGES—See Gages, Thickness

FELT BUILDING SHEATHING—See Sheathing, Building, Felt

FELT FURNITURE TIPS—See Tips, Furniture

FELT WASHERS—See Washers, Felt

FENCE and GATES, Lawn, Etc.

American Steel & Wire Co., 208 S. La Salle, Chicago, Ill. "American," "Diamond"
Anchor Post Fence Co., Baltimore, Md.
Atlantic Steel Co., Atlanta, Ga. "Dixisteel"
Bethlehem Steel Co., Bethlehem, Pa.
Buffalo Wire Wks. Co., Buffalo, N. Y.
Brown (H. L.) Fence & Mfg. Co., Cincinnati, O. "Norwood"
Century Fence Co., Waukesha, Wis.
Cincinnati Iron Fence Co., Cincinnati, O.
Clay Equipment Corp. (Gate Div.), 126 Clay Av., Cedar Falls, Ia.
Continental Steel Corp., Kokomo, Ind. "Green Bottom," "Pioneer Kokomo"
Cyclone Fence Co., Waukegan, Ill. "Red Tag"
Davis & Siehl Co., Cincinnati, O.
Enterprise Fence & Wire Mfg. Co., Indianapolis, Ind.
Hicks Gate Co., Fredericktown, O. "Leader"
Imperial Metal Mfg. Corp., 38-01 Queens Blvd., Long Island City, N. Y. "Launet"
Indiana Steel & Wire Co., Muncie, Ind. "Imperial"
Keystone Steel & Wire Co., Peoria, Ill. "Square Deal"
Kitselman Bros., Muncie, Ind.
Logan Co., Louisville, Ky.
Meyers (Fred J.) Mfg. Co. Hamilton, O.
Mid-States Steel & Wire Co., Crawfordsville, Ind.
Northwestern Barb Wire Co., Inc., Sterling, Ill.
Page Steel & Wire Co., Monessen, Pa. "Chain-Link," "Economy," "Gard-N-Gard," "Lion & New Page," "Page Alcoa Aluminum," "Perfection," "Protection," "Reliable"
Pittsburgh Steel Co., Union Trust Bldg., Pittsburgh, Pa.
Racine Iron & Wire Works, Racine, Wis.
Roberston (W. F.) Steel & Iron Co., Cincinnati, O. "Norwood"
Stewart Iron Wks. Co., Inc., 814 Stewart Block, Cincinnati, O.
Superior Steel & Wire Co., Knightstown, Ind.
Wheeling Corrugating Co., Wheeling, W. Va.
Wickwire Spencer Steel Co., Inc., 41 E. 42d, New York, N. Y.

FENCE ANCHORS—See Anchors, Fence

FENCE FITTINGS—See Fittings, Fence, Gate and Post

FENCE and RAILINGS, Iron

American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
Anchor Post Fence Co., Baltimore, Md.
Badger Wire & Iron Wks., Milwaukee, Wis.

FENCE and RAILINGS, Iron (Continued)

Bethlehem Steel Co., Bethlehem, Pa.
California Artistic Metal & Wire Co., San Francisco, Cal.
Cincinnati Iron Fence Co., Cincinnati, O.
Clay Equipment Corp., 126 Clay Av., Cedar Falls, Ia.
Cyclone Fence Co., Waukegan, Ill. "Red Tag"
Davis & Siehl Co., Cincinnati, O.
Enterprise Fence & Wire Mfg. Co., Indianapolis, Ind.
Fiske (J. W.) Iron Wks., 78 Park Pl., New York, N.Y.
Janesville Fence & Post Co., Janesville, Wis.
Logan Co., Louisville, Ky.
Meyers (Fred J.) Mfg. Co., Hamilton, O.
Mid-State Steel & Wire Co., Crawfordsville, Ind.
Page Steel & Wire Co., Monessen, Pa. "Page Highland"
Stewart Iron Wks. Co., Inc., 814 Stewart Block, Cincinnati, O.

FENCE, Ornamental—See Fence and Gates, Lawn, Etc.

FENCE POSTS—See Posts, Fence

FENCE, Poultry

American Steel & Wire Co., 208 S. La Salle, Chicago, Ill. "Banner," "Protector," "Union Lock"
Anchor Post Fence Co., Baltimore, Md.
Bethlehem Steel Co., Bethlehem, Pa.
Cyclone Fence Co., Waukegan, Ill. "Red Tag"
Indiana Steel & Wire Co., Muncie, Ind.
Mid-States Steel & Wire Co., Crawfordsville, Ind.
Northwestern Barb Wire Co., Inc., Sterling, Ill.
Wickwire Bros., Cortland, N. Y. "Hex-Wick," "Net-Wick"
Wickwire Spencer Steel Co., Inc., 41 E. 42nd, New York, N. Y.

FENCE RATCHETS—See Ratchets, Fence

FENCE STAPLES—See Staples, Fence

FENCE STAYS—See Stays, Fence

FENCE STRETCHERS—See Stretchers, Fence

FENCE TOOLS—See Tools, Fence

FENCE, Wire

American Steel & Wire Co., 208 S. LaSalle, Chicago, Ill. "Zinc Insulated American," "Zinc Insulated Anthony," "Zinc Insulated Ellwood," "Zinc Insulated Monitor," "Zinc Insulated National," "Zinc Insulated Prairie," "Zinc Insulated Royal," "Zinc Insulated U. S."
Anchor Post Fence Co., Baltimore, Md.
Audubon Wire Cloth Co., Audubon, N. J.
Belfont Iron Wks. Co., Ironton, O.
Bethlehem Steel Co., Bethlehem, Pa. "Cambria"
Brown (H. L.) Fence & Mfg. Co., Cincinnati, O. "Norwood"
Colorado Fuel & Iron Co., Boston Bldg., Denver, Col.
Continental Steel Corp., Kokomo, Ind. "Green Bottom"
Copperweld Steel Co., Glassport, Pa.
Cyclone Fence Co., Waukegan, Ill. "Majestic," "Red Tag" (Portable)
Davis & Siehl Co., 4032 Hamilton Av., Cincinnati, O.
Enterprise Fence & Wire Mfg. Co., Indianapolis, Ind.
Gulf States Steel Co., Birmingham, Ala. "Gulfsteel"
Illinois Wire & Mfg. Co., Joliet, Ill. (Wire & Wood Picket)
Indiana Steel & Wire Co., Muncie, Ind. "Imperial"
Interstate Iron & Steel Co., Chicago, Ill. "Swastika"
Jackson Fence Co., Jackson, Mich. "Stiff Stay"
Janesville Fence & Post Co., Janesville, Wis. "Apex," "O. K."
Keystone Steel & Wire Co., Peoria, Ill. "Blue Ribbon," "Economy," "Monarch," "Red Brand," "Square Deal"
Kitselman Bros., Muncie, Ind.
Logan Co., Louisville, Ky.
Meyers (Fred J.) Mfg. Co., Hamilton, O.
Mid-States Steel & Wire Co., Crawfordsville, Ind. "Adrian," "Ben Hur," "Star"
New Jersey Fence Co., Burlington, N. J. (Picket)
Northwestern Barb Wire Co., Inc., Sterling, Ill. "Sterling"
Ottawa Mfg. Co., Ottawa, Kan.
Page Steel & Wire Co., Monessen, Pa.
Pittsburgh Steel Co., Union Trust Bldg., Pittsburgh, Pa. "Pittsburgh Chictite," "Pittsburgh Columbia," "Pittsburgh Perfect"
Racine Iron & Wire Wks., Racine, Wis.
Roberston (W. F.) Steel & Iron Co., Cincinnati, O.
Roebling's (John A.) Sons Co., Trenton, N. J.
Smith (F. P.) Wire & Iron Wks., Chicago, Ill.
Stewart Iron Wks. Co., Inc., 814 Stewart Block, Cincinnati, O. "Chain-Link"
Warner Steel Products Co., Ottawa, Kan. "Jumbo"
Wheeling Corrugating Co., Wheeling, W. Va.
Wheeling Steel Corp., Wheeling, W. Va. "Wheeling"
Wickwire Spencer Steel Co., Inc., 41 E. 42d, New York, N. Y.
Wright (G. F.) Steel & Wire Co., Worcester, Mass. "Superior"

FENCE WIRE SPLICERS—See Splicers, Wire, Fence

FENCES, Christmas Tree

Drake (A. W.) Mfg. Co., Hazleton, Pa. (Toy)
Grey Iron Casting Co., Mt. Joy, Pa.
Kenton Hdw. Co., Kenton, O.

FENCES, Snow

Illinois Wire & Mfg. Co., Joliet, Ill. "Big Red"
Sweet's Steel Co., Williamsport, Pa.
Track Specialties Co., 1775 B'way, New York, N. Y. "Trasco"

FENCING—See under Fence

FENCES, Toy—See Fences, Christmas Tree

FENDERS, Fireplace
(See also Andirons, Fenders and Grates)

Atlanta Stove Wks., Atlanta, Ga.
Boston Brass Andiron Co., Boston, Mass.
Buffalo Wire Wks. Co., Buffalo, N. Y.
Cahill Co., Chattanooga, Tenn.
Chattanooga Implement & Mfg. Co., Chattanooga, Tenn.
Colonial Fireplace Co., Chicago, Ill.
Graf (Frank H.) Mfg. Co., Inc., 282 9th Av., New York, N. Y.
Howes (S. M.) Co., Boston, Mass.
Jackson (Edwin A.) & Bro., 50 Beekman, New York, N. Y.
Janusch Mfg. Co., 282 E. 135th, New York, N. Y.
Judd (H. L.) Co., 87 Chambers, New York, N. Y. "Hi-Lite"
Klauer Mfg. Co., Dubuque, Ia.
Logan Co., Louisville, Ky.
Meyers (Fred J.) Mfg. Co., Hamilton, O. "Alhambra"
Peerless Mfg. Co., Louisville, Ky.
Rostand Mfg. Co., Railroad Av., Milford, Conn.
Smith (F. P.) Wire & Iron Wks., Chicago, Ill.
Stewart Iron Wks. Co., Inc., 814 Stewart Block, Cincinnati, O.
Wheeling Corrugating Co., Wheeling, W. Va.

FERRULES, Brass and Copper

American Brass & Copper Co., 80 Lafayette, New York, N. Y.
American Ring Co., Dept. W., Waterbury, Conn.
Bay State Stamping Co., Worcester, Mass.
Beardsley & Wolcott Mfg. Co., Waterville, Conn.
Bignall Co., Medina, N. Y.
Bridgeport Brass Co., Bridgeport, Conn.
Brunswick Mfg. Co., Brunswick, Me.
Bull Dog Electric Products Co., Detroit, Mich.
Cahill, M. F., Boston, Mass.
Chase Brass & Copper Co., Waterbury, Conn.
Clendenin Bros., Inc., Baltimore, Md.
Empire Elec. & Mfg. Co., Plainville, Conn.
Firestone Foundry & Mfg. Co., Ashland, O.
Green (C. E.) & Son, 95 Passaic, Newark, N. J.
Hays Mfg. Co., Erie, Pa.
Hussey (C. G.) & Co., Pittsburgh, Pa. (Copper)
Leavitt Machine Co., Orange, Mass. "Athol"
Mueller Co., Decatur, Ill.
Peck Bros. & Co., New Haven, Conn.
Prier Brass Mfg. Co., Kansas City, Mo.
Rome Mfg. Co., Rome, N. Y.
Russell (J. M.) Mfg. Co., Inc., Naugatuck, Conn.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Schrader's (A.) Son, 470 Vanderbilt Av., Bklyn. N. Y.
Scovill Mfg. Co., Plumbers' Brass Goods Div., Waterville, Conn.
Starbuck (R. M.) & Sons, Hartford, Conn.
Steele & Johnson Mfg. Co., Waterbury, Conn.
Union Hdw. Co., Torrington, Conn.
U. S. Hardware & Mfg. Co., Pawtucket, R. I.
Waterbury Brass Goods Corp., Waterbury, Conn.
Waterbury Button & Mfg. Co., Waterbury, Conn.
Waterbury Mfg. Co., Waterbury, Conn.
Watts Regulator Co., Lawrence, Mass.
Western Cartridge Co., East Alton, Ill.

FERRULES, Copper—See Ferrules, Brass and Copper

FERRULES, Iron and Steel

American Tube & Stamping Co., Bridgeport, Conn.
Bay State Stamping Co., Worcester, Mass.
Brunswick Mfg. Co., Brunswick, Me.
Cahill, M. F., Boston, Mass.
Columbus Handle & Tool Corp. Works of the National Handle Co., Columbus, Ind.
Empire Elec. & Mfg. Co., Plainville, Conn.
Lothrop (F. B.) Co., South Acton, Mass.
Matthews Mfg. Co., Worcester, Mass.
Oliver Iron & Steel Corp., Pittsburgh, Pa.
Rome Mfg. Co., Rome, N. Y.
Union Fork & Hoe Co., Columbus, O.
Union Hdw. Co., Torrington, Conn.
Waterbury Button & Mfg. Co., Waterbury, Conn.
Wilcox, Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.
Zurn (J. A.) Mfg. Co., Erie, Pa.

FERRULES, Sheet Metal—See Ferrules, Tin and Sheet Metal

FERRULES, Steel—See Ferrules, Iron and Steel

FERRULES, Tin and Sheet Metal

American Ring Co., Waterbury, Conn. (Sheet Metal)
Bay State Stamping Co., Worcester, Mass.
Cahill, M. F., Boston, Mass.
Empire Elect. & Mfg. Co., Plainville, Conn. (Sheet Metal)
Troy Stamping Wks., Troy, N. Y.
Waterbury Button & Mfg. Co., Waterbury, Conn.
Waterbury Mfg. Co., Waterbury, Conn.

FERTILIZER SPRAYERS—See Sprayers, Fertilizer

FERTILIZERS

Armour Fertilizer Wks., Chicago, Ill.
Atkins & Durbrow, Inc., 165 John, New York, N. Y. "Driconure"
Dold (Jacob) Packing Co., Buffalo, N. Y.
Fertiluvia Corp. of America, Chicago, Ill. "Nitro-Fertile"
Flower City Plant Food Co., Inc., Pittsford, N. Y. "Wondergro"
Grasselli Chemical Co., Cleveland, O. "Dugro"
Koppers Products Co., Pittsburgh, Pa. "Velvet Lawn"
Natural Guano Co., Aurora, Ill.
Olde Gardener Co., Pittsburgh, Pa.
Pulverized Manure Co., Chicago, Ill. "Wizard" (Cow and Sheep)
Shur-Gro Fertilizer Corp., Pittsburgh, Pa.
Smith Agricultural Chemical Co., Columbus, O. "Sacco," "Wedo"
Standard Chemical Works, Inc., Reading, Pa.
Swift & Co., Chicago, Ill. "Vigoro"
Tennessee Corp., 61 B'way, New York, N. Y. "Loma"
Virginia-Carolina Chemical Corp., Richmond, Va. "Fairway"
Wilson (Andrew), Inc., Springfield, N. J. "Rhody-Life"
York Chemical Works, York, Pa. "Dempwolf's"

FERTILIZERS, Chemical

American Agricultural Chemical Co., 420 Lexington Av., New York, N. Y.
American Cyanamid Sales Co., 535 5th Av., New York, N. Y.
Armour Fertilizer Wks., Chicago, Ill.
Baugh & Sons Co., Baltimore, Md. "Baughgro"
Delta Chemical & Iron Co., Wells, Mich.
Fertiluvia Corp. of America, Chicago, Ill. "Garco"
Grasselli Chemical Co., Cleveland, O.
Koppers Products Co., Pittsburgh, Pa. "Velvet Lawn"
Smith Agricultural Chemical Co., Columbus, O. "Sacco," "Wedo"
Swift & Co., Chicago, Ill. "Vigoro"
Tennessee Corp., 61 B'way, New York, N. Y. "Loma"

FIBRE BOARDS—See Fibre, Hard

FIBRE BROOMS—See Brooms, Fibre

FIBRE HEELS—See Soles and Heels, Fibre

FIBRE MALLETS—See Mallets, Rawhide and Fibre

FIBRE PAILS—See Pails, Fibre

FIBRE, Sheet, Rod, Tube, Etc.

Campbell Fibre Co., Stanton, Del.
Continental Diamond Fibre Co., E. Newark, Del.
Delaware Hard Fibre Co., Wilmington, Del.
National Vulcanized Fibre Co., Wilmington, Del.
Schoonmaker (A. O.) Insulation Co., Inc., 50 University Pl., New York, N. Y.
Spaulding Fibre Co., Inc., Tonawanda, N. Y.
Superbestos Co., Chicago, Ill.
Victor Mfg. & Gasket Co., Chicago, Ill.

FIBRE SOLES—See Soles and Heels, Fibre

FIBRE WARE—See Ware, Fibre

FIBRE WASHERS—See Washers, Fibre

FIELD GLASSES—See Binoculars

FIELD HOES—See Hoes, Garden and Field

FIELD SEED—See Seed, Field

FIELD SPRAYERS—See Sprayers, Field

FIGURES, Aluminum—See Numbers and Letters, Metal

FILE CARDS—See Cleaners, File

FILE HANDLES—See Handles, File

FILERS, Saw, Hand

Atkins (E. C.) & Co., Indianapolis, Ind.

FILES and RASPS

American Swiss File & Tool Co., Elizabeth, N. J. (Files)
Atkins (E. C.) & Co., Indianapolis, Ind. "Silver Steel"
Bickhaus File Co., Quincy, Ill. "Gem City"
Chelsea File Works, Norwich, Conn.
Chicago File & Rasp Co., Chicago, Ill.
Cleveland File Co., Cleveland, O. "Blue Star," "Super-Duty"
Delta File Works, Phila., Pa.
Disston (Henry) & Sons, Inc., (Tacony), Phila., Pa. "Gold Medal," "Keystone"

FILES and RASPS (Continued)

Grobet File Corp. of America, 3 Park Pl., New York, N. Y.
Hayes File Co., Detroit, Mich.
Heller Bros. Co., 879 Mt. Prospect Av., Newark, N. J. "Arrow," "Black King," "Johnson," "Rex," "Vixen"
Lutz File & Tool Co., Cincinnati, O.
Murcott & Campbell, 298 Union Av., B'klyn, N. Y.
Nicholson File Co., Providence, R. I. "American," "Arcade," "Black Diamond," "Eagle," "Extra X-F Fine," "Great Western," "J. Barton-Smith," "Kearney & Foot," "McClellan," "Nicholson Horse Rasps," "Superior Horse Rasps"
Plumb (Fayette R.), Inc., Phila., Pa.
Sandvik Saw & Tool Corp., Minneapolis, Minn. "Oberg," "Pansar" (Imported)
Simonds Saw & Steel Co., Fitchburg, Mass.
Stokes Bros. Mfg. Co., Freehold, N. J. (Shoe)
Whitaker Mfg. Co., Chicago, Ill.

FILES, Bastard—See Files and Rasps

FILES, Circular

Delta File Wks., Phila., Pa.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Grobet File Corp. of America, 3 Park Pl., New York, N. Y. "Vixen"
Heller Bros. Co., 879 Mt. Prospect Av., Newark, N. J.

FILES, Coil

Carson-Newton Co., 21 Prospect, Newark, N. J. "Alligator"
Delta File Wks., Phila., Pa.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Grobet File Corp. of America, 3 Park Pl., New York, N. Y.
Heller Bros. Co., 879 Mt. Prospect Av., Newark, N. J.
Nicholson File Co., Providence, R. I. "Superior" (Platinum point, Tungsten point)

FILES, Manicure
(See also Sets, Manicure)

Bates (C. J.) & Son, Chester, Conn. "Queen"
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Grobet File Corp. of America, 3 Park Pl., New York, N. Y.
Heller Bros. Co., 879 Mt. Prospect Av., Newark, N. J.
Henckels (J. A.) Inc., 456 4th Av., New York, N. Y. "Twin Brand," "Welkut"
Henkel Co., Fremont, O.
Nicholson File Co., Providence, R. I. "Nicholson"
Salm Mfg. Co., Torrance, Calif.
Schnefel Bros., 684 S. 17th, Newark, N. J. "La Cross"

FILES, Rat Tail—See Files and Rasps

FILES, Saw—See Files and Rasps

FILES, Stick

Grey Iron Casting Co., Mt. Joy, Pa.
Wrightsville Hdw. Co., Wrightsville, Pa.

FILES, Swiss Pattern

American Swiss File & Tool Co., Elizabeth, N. J.
Carson-Newton Co., 21 Prospect, Newark, N. J. "Alligator"
Delta File Works, Phila., Pa.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Grobet File Corp. of America, 3 Park Pl., New York, N. Y.
Heller Bros. Co., 879 Mt. Prospect Av., Newark, N. J.
Nicholson File Co., Providence, R. I. "Extra X-F Fine"

FILES, Tooth, Horse

Delta File Wks., Phila., Pa.
Disston (Henry) & Sons, Inc., (Tacony), Phila., Pa.
Heller Bros. Co., 879 Mt. Prospect Av., Newark, N. J.
Horn (Wm. H.) & Bro., Phila., Pa.
Stokes Bros. Mfg. Co., Freehold, N. J.

FILLER RODS—See Rods, Welding

FILLERS, CRACK—See Fillers, Wood

FILLERS, Deck—See Fillers, Seam, Deck and Hull; also Composition, Seam

FILLERS, Hull—See Fillers, Seam, Deck and Hull

FILLERS, Liquid—See Fillers, Wood

FILLERS, Paste—See Fillers, Wood

FILLERS, Radiator—See Cans, Radiator Filler, Automobile

FILLERS, Seam, Deck and Hull

Ferdinand (L. W.) & Co., 599 Albany, Boston, Mass. "Ferdico"

FILLERS, Wood
(See also Paints; also Varnishes)

Acme White Lead & Color Wks., Detroit, Mich. "Perfection"
Adams & Elting Co., Chicago, Ill. "Ad-el-ite"
Ambassador Specialties, Inc., Detroit, Mich. "Heart of Quality"
Bean (Louis W.) Co., Phila., Pa.
Berry Bros., Detroit, Mich.
Boyle (A. S.) Co., Cincinnati, O. "Canton"
Bradley & Vrooman Co., Chicago, Ill. "C. Q. P."
Certain-teed Products Corp., 100 E. 42d, New York, N. Y.
Chase, Roberts & Co., West Av., Long Island City, N. Y.
De Golyer Varnish Wks., Troy, N. Y.
Detroit White Lead Wks., Detroit, Mich. "Rogers"
Dibble Color Co., Detroit, Mich.
Du Pont (E. I.) de Nemours & Co., Inc., Phila., Pa. "Wheelers"
Flood & Conklin Co., 136 Chestnut, Newark, N. J.
Foy Paint Co., Inc., Cincinnati, (Norwood), O.
Fuller (H. B.) Co., St. Paul, Minn.
Glidden Co., Cleveland, O.
Globe Iron Roofing & Corrugating Co., Inc., Newport, Ky.
Globe Paint Co., Williamsport, Pa.
Graves (N. Z.) Co., Phila., Pa.
Grippin Mfg. Co., Newark, N. Y.
Harris-Thomas Co., Inc., Roxbury, Mass.
Heath & Milligan Mfg. Co., Chicago, Ill. "Dependable"
Hilo Varnish Corp., 42 Stewart Av., B'klyn, N. Y.
Indiana Indestructible Paint Co., Chicago, Ill.
Johnson (S. C.) & Sons, Racine, Wis.
Keystone Paint & Filler Co., Muncy, Pa.
Lancaster Paint & Glass Co., Lancaster, Pa. "Eureka"
Lowe Bros. Co., Dayton, O.
Lucas (John) & Co., Phila., Pa.
Marietta Paint & Color Co., Marietta, O. "Spartan Art Wood"
Masury (John W.) & Son, 44 Jay, B'klyn, N. Y.
Moore (E. B.) & Co., Chicago, Ill.
Murphy Varnish Co., 224 McWhorter, Newark, N. J.
Nice, Eugene E., Phila., Pa.
O'Brien Varnish Co., South Bend, Ind.
Parrott Varnish Co., Inc., Bridgeport, Conn. "46"
Phoenix Paint & Varnish Co., Phila., Pa.
Pratt & Lambert, Inc., Buffalo, N. Y.
Republic Varnish Co., 216 Parkhurst, Newark, N. J.
St. Louis Surfacer & Paint Co., St. Louis, Mo.
Savogran Co., Boston, Mass.
Schrack (C.) & Co., Phila., Pa.
Sheffield Bronze Powder & Stencil Co., Cleveland, O.
Sherwin-Williams Co., Cleveland, O.
Smith (Edw.) & Co., 127 West Av., Long Island City, N. Y. "Esco"
Stay-Tite Products Co., Cleveland, O.
Steelcote Mfg. Co., St. Louis, Mo.
Thibaut & Walker Co., 9th & Vernon Av., Long Island City, N. Y.
Valentine & Co., 386 4th Av., New York, N. Y. "Celox"
Woolsey (C. A.) Paint & Color Co., 500 Grand, Jersey City, N. J.

FILLET, Leather and Wood

Bond (Chas.) Co., Phila., Pa.
Chicago Rawhide Mfg. Co., Chicago, Ill.
Dunker Supply Co., Canton, O. "Perfect"
Everett (A.) & Son, Auburn, N. Y.
Illinois Mechanical Leather Co., Chicago, Ill. (Leather)
Knight (H. W.) & Son, Seneca Falls, N. Y.
Nott (W. S.) Co., Minneapolis, Minn. "Perfection"
Obermayer (S.) Co., Chicago, Ill.
Page Belting Co., Concord, N. H.
Shanafelt Mfg. Co., Canton, O.

FILTER BAGS—See Bags, Filter

FILTER CLOTH—See Cloth, Filter

FILTER DISCS, Milk—See Strainers, Milk, Disc

FILTERS, Syphons

Acme Cork Co., 899 3d Av., New York, N. Y.
Duro Metal Products Co., Chicago, Ill. "Skimit"
Everedy Co., 6 East, Frederick, Md.
Miller (E. L.) Mfg. Co., Kansas City, Mo. "Climax"

FILTERS, Water

Allen Filter Co., Toledo, O.
American Filter Co., Milwaukee, Wis. "Noxall," "Perfection"
American Water Softener Co., Phila., Pa.
Baker Valve Co., Minneapolis, Minn. "Bailey"
Berkefeld Filter Co., 300 4th Av., New York, N. Y.
Bernard (Phillip) Co., Sioux City, Ia. "O. K."
Champion Hardware Co., Geneva, O.
Guinn (S. E.) Co., Inc., Johnson City, Tenn. "Guinco"
Houchin (Thos. W.) Co., 309 9th, Jersey City, N. J.
Hygela Filter Co., Detroit, Mich. "Monarch"
Jones Mfg. Co., Boston, Mass.
Miller (E. L.) Mfg. Co., Kansas City, Mo. "Ozark"
National Percolator Co., Inc., Los Angeles, Cal. "Duplex" (Water Percolator)
Seed Filter & Mfg. Co., 353 B'way, New York, N. Y. "Seeco"

FINGER NAIL CLIPPERS—See Clippers, Finger Nail

FINISHED NUTS—See Nuts, Finished

FIRE ALARMS—See Alarms, Fire

FIREARMS BRUSHES—See Brushes, Firearms

FIREARMS SIGHTS—See Sights, Firearms

FIRE BELLS—See Bells, Church, Fire

FIRE CLAY—See Clay, Stove

FIRE DETECTORS—See Alarms, Fire

FIRE DOORS—See Doors, Fire

FIRE DOOR FITTINGS—See Fixtures, Door, Fire

FIRE DOOR FIXTURES—See Fixtures, Door, Fire

FIRE DOOR HARDWARE—See Fixtures, Door, Fire

FIRE ESCAPES
(See also Iron Work, Ornamental)

Badger Wire & Iron Wks., Milwaukee, Wis.
Fiske (J. W.) Iron Wks., 78 Park Pl., New York, N. Y.
Logan Co., Louisville, Ky.
Mesker Bros. Iron Co., St. Louis, Mo.
Meyers (Fred J.) Mfg. Co., Hamilton, O.
Western Steel Products Co., Duluth, Minn.

FIRE ESCAPES, Automatic

Davy, Chas. F., Syracuse, N. Y.

FIRE EXIT BOLTS—See Bolts, Door, Panic

FIRE EXIT LOCKS—See Bolts, Door, Panic

FIRE EXTINGUISHERS—See Extinguishers, Fire

FIRE HOUSE DOOR OPENERS—See Openers, Fire House Door

FIRE INSURANCE—See Insurance, Fire

FIRE LIGHTERS—See Lighters, Fire

FIRE PAIL HOOKS—See Hooks, Fire Pail

FIRE PAILS—See Pails, Fire

FIRELESS COOKERS—See Cookers, Fireless

FIREMEN'S AXES—See Axes, Firemen's

FIREPLACE ANDIRONS—See Andirons, Fenders and Grates

FIREPLACE ASH DUMPS—See Dumps, Ash

FIREPLACE DAMPERS—See Dampers, Fireplace

FIREPLACE FENDERS—See Fenders, Fireplace; also Andirons, Fenders and Grates

FIREPLACE GRATES—See Andirons, Fenders and Grates

FIREPLACE HEATERS—See Heaters, Fireplace

FIREPLACE SCREEN CLOTH—See Cloth, Wire

FIREPLACE SCREENS—See Screens, Fireplace

FIREPLACE SETS—See Sets, Fireplace

FIREPLACE SPARK GUARDS—See Guards, Spark, Fireplace

FIREPLACE WOOD BASKETS—See Baskets, Fireplace, Wood, Etc.

FIRE POKERS—See Pokers, Stove

FIRE POTS—See Furnaces and Torches, Gasoline or Kerosene

FIRE SHOVELS—See Shovels, Fire

FIREWORKS

Consolidated Fireworks Co., 22 Park Pl., New York, N. Y. "Unexcelled"
Conti Fireworks Co., New Castle, Pa.
Diehl (H. P.) Co., Lawrenceburg, Ind.
Hunt (E. S.) & Sons Co., Weymouth, Mass.
Los Angeles Fireworks Co., Los Angeles, Cal.
Rochester Fireworks Co., Rochester, N. Y.
Victory Sparkler Co., Elkton, Md.
Western Fireworks Co., Denver, Colo.

FIREWORKS, Toy

Art Metal Wks., Inc., 7 Mulberry, Newark, N. J. "Archie," "Ronson Rattler"

FISH AQUARIUMS—See Aquariums

FISH BAITS, Artificial—See Baits, Fish, Artificial

FISH BAITS, Preserved—See Baits, Fish, Preserved

FISH FOOD—See Food, Fish

FISH GAFFS—See Gaffs, Fish, Landing

FISH GLOBES—See Aquariums

FISH GLUE—See Glue, Fish

FISH HOOK ADJUSTERS—See Adjusters, Fish Hook

FISH HOOK DISGORGERS—See Disgorgers, Fish Hook

FISH HOOKS—See Hooks, Fish

FISH KNIVES—See Knives, Fish

FISH NETS—See Nets, Fish

FISH PLANKS—See Planks, Steak and Fish

FISH SCALERS—See Scalers, Fish

FISH STRINGERS—See Stringers, Fish

FISH TANKS—See Aquariums

FISH TRAPS—See Traps, Fish

FISHERMEN'S BASKETS—See Baskets, Fishermen's

FISHERMEN'S BOOTS—See Waders, Fishermen's

FISHERMEN'S WADERS—See Waders, Fishermen's

FISHING BAIT CANS—See Cans, Bait

FISHING BUGS—See Flies, Fishing

FISHING CAPES—See Clothing, Fishermen's

FISHING CLOTHING—See Clothing, Fishermen's

FISHING FLIES—See Flies, Fishing

FISHING FLOATS—See Floats, Fishing

FISHING JACKETS—See Jackets, Hunting and Fishing

FISHING LEADERS—See Leaders, Fishing

FISHING LINE COLOR PRESERVATIVES — See Preservatives, Color, Fishing Line

FISHING LINE DRESSINGS—See Dressings, Fishing Line

FISHING LINE LEADERS—See Leaders, Gut, Fishing

FISHING LINE SPREADERS—See Spreaders, Fishing Line

FISHING LINES—See Lines, Fishing

FISHING POLES—See Poles, Bamboo; also Rods, Fishing

FISHING REEL BRAKES—See Brakes, Reel, Fishing

FISHING REEL CASES—See Cases, Reel

FISHING REEL DRAGS—See Drags, Reel, Fishing

FISHING REEL GEAR GREASES—See Greases, Gear, Fishing Reel

FISHING REEL LOCKING BANDS—See Bands, Locking, Fishing Reel

FISHING REELS—See Reels, Fishing

FISHING ROD CASES—See Cases, Rod

FISHING ROD CEMENT—See Cement, Rod, Fishing

FISHING ROD COVERS—See Covers, Rod

FISHING ROD GUIDES—See Guides, Fishing Rod

FISHING ROD TIPS—See Tips, Fishing Rod

FISHING RODS—See Rods, Fishing

FISHING SEINES—See Seines, Fishing

FISHING SPEARS—See Spears, Fishing

FISHING SPOONS and SPINNERS—See Spoons and Spinners, Fishing

FISHING STOCKINGS—See Waders, Fishermen's

FISHING SWIVELS—See Swivels, Fishing

FISHING TACKLE—See article desired

FISHING TACKLE ASSORTMENTS—See Assortments, Tackle, Fishing

FISHING TACKLE BOXES—See Boxes, Fishing Tackle

FITTINGS, Boiler

Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Walworth Co., Statler Bldg., Boston, Mass.

FITTINGS, Fence, Gate and Post

American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
Anchor Post Fence Co., Baltimore, Md.
Bethlehem Steel Co., Bethlehem, Pa.
Clay Equipment Corp., Gate Div., 126 Clay Av., Cedar Falls, Ia.
Cyclone Fence Co., Waukegan, Ill.
Indiana Steel & Wire Co., Muncie, Ind.
Meyers (Fred J.) Mfg. Co., Hamilton, O.
Mid-States Steel & Wire Co., Crawfordsville, Ind.
Northwestern Barb Wire Co., Inc., Sterling, Ill.
Page Steel & Wire Co., Monessen, Pa.
Stewart Iron Wks. Co., Inc., 814 Stewart Block, Cincinnati, O.
Sweet's Steel Co., Williamsport, Pa.
Wright (G. F.) Steel & Wire Co., Worcester, Mass.

FITTINGS, Fire Door—See Fixtures, Door, Fire

FITTINGS, Furnace—See Pipe and Fittings, Furnace

FITTINGS, Greenhouse

Central Fdry. Co., 420 Lexington Av., New York, N. Y.
Crane Co., Chicago, Ill.
Evans (John A.) Co., Richmond, Ind.
Hitchings & Co., Elizabeth, N. J.

FITTINGS, MAST, RADIO—See Radio Mast Fittings

FITTNGS, Pipe

Acheson Mfg. Co., Braddock, Pa.
American Copper & Brass Wks., Cincinnati, O.
American Lead Co., Pittsburgh, Pa.
Atkinson Co., Rochester, N. Y.
Belfield (H.) Co., Phila., Pa.
Berger Mfg. Co., Canton, O. "Berloy"
Bonney Forge & Tool Wks., Allentown, Pa.
Buffalo Nipple & Mach. Co., Buffalo, N. Y.
Builders Iron Foundry, Providence, R. I.
Campbell, Lewis, Boyertown, Pa.
Capitol Mfg. & Supply Co., Columbus, O.
Chicago Nipple Mfg. Co., Los Angeles, Cal.
Commonwealth Brass Corp., Detroit, Mich.
Crane Co., Chicago, Ill.
Dart (E. M.) Mfg. Co., Providence, R. I.
Detroit Brass & Malleable Wks., Detroit, Mich.
Durst Mfg. Co., 468 B'way, New York, N. Y.
Exeter Brass Wks., Exeter, N. H. (Brass Unions)
Fretz (S. S.), Jr. & Co., Phila., Pa.
General Brass Co., Detroit, Mich.
Illinois Malleable Co., Chicago, Ill.
Imperial Brass Mfg. Co., Chicago, Ill.
International Heater Co., Utica, N. Y.
Jarecki Mfg. Co., Erie, Pa.
Laughlin (Thos.) Co., Portland, Me.
Leavitt Machine Co., Orange, Mass. "Athol"
Lincoln Brass Wks., Detroit, Mich.
Lunkenheimer Co., Cincinnati, O.
Lyon, Conklin & Co., Inc., Baltimore, Md. "Tiger"
Malleable Iron Fittings Co., Branford, Conn. "M. I. F. Co."
Morse (Andrew J.) Son Co., Boston, Mass.
Mueller Brass Co., Port Huron, Mich.
Newark Tube Co., 560 Ferry, Newark, N. J. (Nipples)
Newbury (J. H.) & Son, Inc., Goshen, N. Y.
New York Brass Turning Co., 568 B'way, New York, N. Y. "Brassturn"
Northwest Metal Products, Inc., Seattle, Wash.
Pfaff & Kendall, 665 Ferry, Newark, N. J.
Pittsburgh Valve & Fittings Co., Barberton, O.
Pittsburgh Valve, Fdry. & Construction Co., 26th Av., Pittsburgh, Pa.
Powell (Wm.) Co., Cincinnati, O.
Powhatan Brass & Iron Wks., Ransom, W. Va.
Richardson-Edro Brass Co., Baltimore, Md.
Richardson-Phenix Co., Milwaukee, Wis.
Roberts Brass Mfg. Co., Detroit, Mich.
Scovill Mfg. Co., Plumbers' Brass Goods Div., Waterville, Conn.
Sheet Metal Specialty Co., Follansbee, W. Va.
Sherman (H. B.) Mfg. Co., Battle Creek, Mich.
Twin City Steel Mfg. Co., Minneapolis, Minn.
Walworth Co., Boston, Mass. "Kewanee," "Waclo," "Walmanco"
Ware Coupling & Nipple Co., Ware, Mass.
Warren Tool & Forge Co., Warren, O. "Webco"
Westinghouse Elec. & Mfg. Co., East Pittsburgh, Pa. (Structural)
Wheeling Corrugating Co., Wheeling, W. Va.
Youngstown Steel Products Co., Youngstown, O. "Mark"

FITTINGS, Railing

Kersten Co., Inc., Chicago, Ill.
Walworth Co., Statler Bldg., Boston, Mass.

FITTINGS, Wire Rope

American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
Broderick & Bascomb Rope Co., St. Louis, Mo.
Laughlin (Thos.) Co., Portland, Me.
Wilcox Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.

FIVE, TEN, FIFTEEN, TWENTY-FIVE CENT AND ONE DOLLAR SPECIALTIES

Aluminum Goods Mfg. Co., Manitowoc, Wis.
Arcade Mfg. Co., Freeport, Ill.
Armstrong Paint & Varnish Co., Chicago, Ill. "Tom Thumb" (Paints)
Atlas-Ansonia Co., New Haven, Conn.
Beardsley & Wolcott Mfg. Co., Waterville, Conn.
Bonita Glass Corp., Huntington, W. Va. (Decorated Glassware)
Breul, Fred G., Bridgeport, Conn. (Try Squares)
Central Auto Ignition Co., Chicago, Ill. (Auto Accessories)
Clifford (Wiley C.) Corp., Avon, N. Y.
Cobar Utilities Corp., 3922 14th Av., B'klyn, N. Y. (Metal Signs)
Consolidated Merchants Syndicate, Inc., 890 B'way, New York, N. Y.
Drake (A. W.) Mfg. Co., Hazleton, Pa.
Drees (Con. F.) Mfg. Co., Covington, O. (Toy Metal Wagons)
Dux Dishmop Co., Mt. Vernon, N. Y. (Dish Mops)
Eagle Mfg. Co., Wellsburg, W. Va.
Economy Plumber Co., 332 Canal, New York, N. Y. (Cleaners)
Empire Twine & Yarn Co., Inc., 70 Thomas, New York, N. Y. (Cotton & Jute Twines)
Ennis Mfg. Co., Reading, Pa.
Erickson (C. E.) & Co., Des Moines, Ia.
Ericsson Screw Machine Products Co., Inc., 607 Bergen, B'klyn, N. Y. (Paint Scrapers and Stroppers)
Forg (Peter) Mfg. Co., Somerville, Mass.
Gardella Mfg. Co., Cleveland, O. "Break-No-More" (Percolator Tops)
Gatch Brush & Wire Goods Co., Baltimore, Md. (Paint & Varnish Brushes)
Gray Iron Foundry Co., Reading, Pa.
Greenberg & Josefsberg Mfg. Co., 20 W. 23rd, New York, N. Y.
Hanson, Henry L., 25 Union, Worcester, Mass. (Taps, Dies & Hack Saws)
Hoeft & Co., Inc., North Chicago, Ill. "Moe's," "Nikel Kap" (Garden Trowels)
Metal Goods Corp., St. Louis, Mo.
Metal Textile Corp., Orange, N. J. "Chore Boy" (Cleaner)
Midland Co., South Milwaukee, Wis. "Tite-Line" (Clothes Line Holders)
National Spring Clip Co., Inc., Montpelier, Vt.
Newark Products Co., 27 Elizabeth Av., Newark, N. J. "Nu-Way" (Steel Wool Holder)
Parker Wire Goods Co., Worcester, Mass.
Patent Novelty Co., Inc., Fulton, Ill.
Pratt (Wm. E.) Mfg. Co., Chicago, Ill.
St. Louis Rubber Cement Co., Inc., St. Louis, Mo. "Red X"
Schrade, George, Bridgeport, Conn. (Nail Sets & Center Punches (Pocket Knives)
Sheffield Bronze Powder & Stencil Co., Cleveland, O. (Gold & Silver Paint)
Thermatrol Mfg. Co., Springfield, Mass.
U. S. Clothes Pin Co., Montpelier, Vt. "Bull Dog"
Venus Spec. Co., 1715 8th Av., B'klyn, N. Y.
Washburn Company, Worcester, Mass.
Williamson (C. T.) Wire Novelty Co., 53 Badger Av., Newark, N. J.
Wrightsville Hdw. Co., Wrightsville, Pa.

FIVE, TEN, FIFTEEN, TWENTY-FIVE CENT AND ONE DOLLAR TOYS

Consolidated Merchants Syndicate, Inc., 890 B'way, New York, N. Y.
Gibbs Mfg. Co., Canton, O.
Drees (Con. F.) Mfg. Co., Covington, O.
Girard Model Wks., Inc., Girard, Pa.
Kramer Mfg. Co., Phila., Pa.

FIXTURE OUTLETS—See Outlets, Fixture

FIXTURES and FURNISHINGS, Bathroom

Acme Specialty Mfg. Co., Toledo, O.
Alliance Vitrified China Co., Alliance, O. "Avco"
Aluminum Goods Mfg. Co., Manitowoc, Wis.
American Brass & Copper Co., 80 Lafayette, New York, N. Y.
American Enameled Products Co., Chicago, Ill. "Elite," "Kolor Kraft"
American Ring Co., Waterbury, Conn. "Rinco"
Arcade Mfg. Co., Freeport, Ill. (Toy)
Art Brass Co., 299 E. 134th, New York, N. Y. "San-o-la"
Automatic Wire Goods Mfg. Co., 15 Canal Pl., New York, N. Y.
Autoyre Co., Oakville, Conn. "Maid-En-White"
Baker (S. D.) Corp., 234 W. 14th, New York, N. Y. "Samsonchina"
Balmer (J. H.) & Co., 399 Central Av., Newark, N. J. "Easy Set"
Barrett (Jas.) Mfg. Co., Boston, Mass.
Beardsley & Wolcott Mfg. Co., Waterville, Conn. "Wilwear"
Boston Mirror Co., Boston, Mass.
Brey & Krause Mfg. Co., Allentown, Pa.
Brilliant Glass Products, Inc., Weston, W. Va. "Westite"
Brown-Thomas Co., Syracuse, N. Y.
Burrowes (E. T.) Co., Portland, Me.
Central Brass Mfg. Co., Cleveland, O.
Central Specialty Mfg. Co., Chicago, Ill.
Ceramic Specialties, Inc., 154 Nassau, New York, N. Y. "Ceramo," "Sanilith"
Chapman (W. H.) Co., Middletown, Conn.
Church (C. F.) Mfg. Co., Holyoke, Mass. "Sani Whyte"
Circle F. Mfg. Co., Trenton, N. J.
Clow (Jas. B.) & Sons, Chicago, Ill.
Columbus Brass Co., Columbus, O.
Conant Bros., Sommerville, Mass.
David-Franklin Co., Maplewood, N. J. "Everclean Fixtures"

FIXTURES and FURNISHINGS, Bathroom (Continued)

Dayton Mfg. Co., Dayton, O.
Dearborn Brass Co., Cedar Rapids, Ia.
Douglas (John) Co., Cincinnati, O.
Eustis (J. P.) Mfg. Co., Cambridge, Mass. "Brasscrafters"
Fairfacts Company, 236 W. 14th, New York, N. Y.
Federal-Huber Co., Chicago, Ill.
Fisher Brass Co., Bellefontaine, O.
Forsyth Metal Goods Co., Inc., East Aurora, N. Y.
Garden City Plating & Mfg. Co., Chicago, Ill.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Haydenville Co., Haydenville, Mass.
Hoffmann-Billings Mfg. Co., Milwaukee, Wis.
Humphryes Mfg. Co., Mansfield, O. "Mirard"
Kersten Co., Inc., Chicago, Ill.
Kimble Glass Co., Vineland, N. J.
Kohler Co., Kohler, Wis.
Landers, Frary & Clark, New Britain, Conn. "Universal"
Manhattan Mfg. & Jobbing Co., 182 Av. C., New York, N. Y.
Metal Crafters, Inc., East Stroudsburg, Pa.
Miami Cabinet Co., Middletown, O.
Mott (J. L.) Iron Wks., 535 5th Av., New York, N. Y.
Murdock Mfg. & Supply Co., Cincinnati, O.
Nason Mfg. Co., 71 Fulton, New York, N. Y.
Nelson (N. O.) Mfg. Co., St. Louis, Mo.
Parker (Chas.) Co., Meriden, Conn.
Parker Wire Goods Co., Worcester, Mass.
Pocono Metal Mfg. Co., East Stroudsburg, Pa.
Porcelier Mfg. Co., Greensburg, Pa.
Reading Saddle & Mfg. Co., Reading, Pa.
Reliable Metal Novelty Co., 165 W. 21st., New York, N. Y. "Ramco"
Rickersburg Brass Co., Cleveland, O.
Robertson (H. E.) Co., Chicago, Ill.
Rundle-Spence Mfg. Co., Milwaukee, Wis.
Savill's (Thos.) Sons, Phila., Pa.
Searls Mfg. Co., 29 Mulberry, Newark, N. J. "Palette," "Star"
Sillcocks-Miller Co., South Orange, N. J. "Celluvarno"
Smith (E. C.) Mfg. Co., Chicago, Ill.
Speakman Supply & Pipe Co., Wilmington, Del.
Standard Sanitary Mfg. Co., Pittsburgh, Pa.
Street & Kent Mfg. Co., Chicago, Ill.
United Wire Goods Mfg. Co., 420 E. 106th, New York, N. Y. "Ivary"
Utility Mfg. Co., Baltimore, Md.
Washburn Company, Worcester, Mass. "Natwire"
Waterbury Mfg. Co., Waterbury, Conn.
Webb (F. W.) Mfg. Co., Boston, Mass.
"White Steel" Sanitary Furniture Co., Grand Rapids, Mich.
Winsted Hdw. Mfg. Co., Winsted, Conn. "Durabilt"
Wise (J. B.), Inc., Watertown, N. Y.

FIXTURES, Display, Hardware

(See also Cases, Display; also Racks, Tire Display; also Racks, Wire Cloth)

Aluminum Goods Mfg. Co., Manitowoc, Wis. (10c. articles)
American Fixture & Showcase Mfg. Co., St. Louis, Mo.
American Wire Form Co., Inc., 269 Grant Av., Jersey City, N. J.
Aurora Equipment Co., Aurora, Ill. "Equipto"
Beckwith Bros. Co., Westfield, Mass. (Display Boards)
Berger Mfg. Co., Canton, O. "Berloy"
Best (John H.) & Sons, Galva, Ill. (Linoleum)
Bowser (R. M.) & Son, Renfrew, Pa. (Wire Cloth)
Bulman (E. O.) Mfg. Co., Inc., Grand Rapids, Mich.
Cabinet Shop, Lincoln, Neb.
Canton Sash & Door Co., Canton, Ill. "Mosher's"
Carlson (D. H.) & Son, Chicago, Ill. (Wire Cloth)
Catherman (J. A.) Mfg. Concern, Beaver Springs, Pa.
Chicago Hdw. Foundry Co., North Chicago, Ill.
Continental Steel Corp., Kokomo, Ind. (Lawn Fence)
Darling (L. A.) Co., Bronson, Mich.
Davis & Siehl Co., Cincinnati, O. (Fly Screen Racks)
Dayton Display Co., Dayton, O. (Basket)
Detroit Show Case Co., Detroit, Mich. "Desco," "Silent Salesman"
Duluth Show Case Co., Duluth, Minn.
Electric Window Salesman Co., Boston, Mass. (Revolving)
Fort Scott Planing Mill, Fort Scott, Kan.
Garden City Plating & Mfg. Co., Chicago, Ill. "Kurtzon"
General Display Case Co., Inc., 57 Greene, New York, N. Y.
General Fireproofing Co., Youngstown, O. "Allsteel"
Grand Rapids Store Equipment Co., Grand Rapids, Mich.
Grand Rapids Wire Products Co., Grand Rapids, Mich.
H. & L. Mfg. Co., Sauk City, Wis. (Coaster wagon stacker)
Heller (W. C.) & Co., Montpelier, O.
Interlock Metal Units, Inc., 31 E. 27th, New York, N. Y. (Steel)
Jacob Bros. Co., Inc., Washington & Water, B'klyn, N. Y. (Baskets)
Joslin Show Case Co., Boston, Mass.
Kelton Mfg. Co., Worcester, Mass. (Tables & Racks)
Knape & Vogt Mfg. Co., Grand Rapids, Mich. "Ideal," "Victor"
Lamson Co., Inc., Syracuse, N. Y. (C. P. Henry's)
Lee-Strouss Co., Inc., Johnstown, Pa.
Leominster Novelty Corp., Leominster, Mass.
Lovell Mfg. Co., Erie, Pa. (Clothes Wringer)
Lupton's (David) Sons Co., Phila., Pa.
Lyon Metal Products, Inc., Aurora, Ill.
Lyons (Hugh) & Co., Lansing, Mich.
Manufacturing Equipment & Engineering Co., Framingham, Mass.
Marvel Rack Mfg. Co., Minneapolis, Minn. (Wire Cloth)
Mayer Mfg. Corp., Chicago, Ill. (Vacuum Cup)
Minneapolis Show Case Mfg. Co., Inc., Minneapolis, Minn.
Morton Show Cases, Inc., Washington C. H., O. "Winner"
Multiplex Display Fixture Co., St. Louis, Mo.
Narragansett Machine Co., Providence, R. I.
Onken (Oscar) Co., Cincinnati, O. (Window)
Onli-Wa Fixture Co., Dayton, O.
Parker Wire Goods Co., Worcester, Mass.
Photoplating Co., Minneapolis, Minn. (Electric Lamp Display Stand)
Pratt (Wm. E.) Mfg. Co., Chicago, Ill.
Reeve (Hurum E.) Co., Torrance, Cal. "Shure Sell"
Reflector & Hdw. Specialty Mfg. Co., Chicago, Ill.
Remington Arms Co., Bridgeport, Conn. (Cutlery Display Tables)
Rockford Showcase & Fixture Co., Rockford, Ill.
Saginaw Stamping & Tool Co., Saginaw, Mich. (Garment Demonstrator, Mechanical & Electric)
Schmid & Lehrer Co., Springfield, Minn.
Schrenk Bros., Syracuse, N. Y. "Dunbar," "Herrick" (Revolving)
Spanjer Bros., 267 Mt. Pleasant Av., Newark, N. J. (Turn Display)
Standard Safety Corp., Los Angeles, Cal "Springo"
Standard Wire & Tube Co., Mineral Ridge, O. "Monarch"
Stillwater Mfg. Co., Stillwater, Minn. "Better Way"
Stratton & Terstegge Co., Inc., Louisville, Ky. "Universal" (Display Tables)
Timberlake (J. B.) & Sons, Jackson, Mich.
Tyler Sales Fixture Co., Muskegon Heights, Mich.
U. S. Hardware & Mfg. Co., Pawtucket, R. I.
Union Steel Products Co., Albion, Mich. (Racks and Baskets)
United Steel & Wire Co., Battle Creek, Mich.
Universal Fixture Corp., 133 W. 23d, New York, N. Y. (Steel Tables & Cabinets)
Waddell Co., Inc., Greenfield, O. (Tables)
Warren (P. R.) Co., Everett, Mass. (Paper Box Containers)
Warren (J. D.) Mfg. Co., Chicago, Ill. "Economical," "Sho-Well"
Washburn Company, Worcester, Mass.
Way-Jack Co., Inc., Poughkeepsie, N. Y. "Facil-I-Tor" (Wire Cloth and Rope Measuring)
Wellston Mfg. Co., Wellston, O. "Eclipse," "Revolvo"
Western Tray & Case Co., Cincinnati, O. (Show Case Trays)
Willett Mfg. Co., Dayton, O.

FIXTURES, Door—See article desired

FIXTURES, Door, Fire

(See also Bolts, Door, Panic)

Allith-Prouty Co., Danville, Ill. "Reliable"
California Fire Proof Door Co., Los Angeles, Cal.
Coburn Trolley Track Mfg. Co., Holyoke, Mass.
Corbin, P. & F., New Britain, Conn.
McCabe Hanger Mfg. Co., 425 W. 25th, New York, N. Y.
Mesker Bros. Iron Co., St. Louis, Mo.
Peters (Jas.) & Son Co., Phila., Pa.
Richards-Wilcox Mfg. Co., Aurora, Ill.
Richmond Fireproof Door Co., Richmond, Ind.
Russell & Erwin Mfg. Co., New Britain, Conn. "Russwin"
Sargent & Co., New Haven, Conn.
Thomas Mfg. Co., Newcastle, Ind.
Victor Mfg. Co., Newburyport, Mass.
Vonnegut Hdwe. Co., Indianapolis, Ind. "Von Duprin"

FIXTURES, Electric Light

Beardslee Chandelier Mfg. Co., Chicago, Ill.
Bryant Electric Co., Bridgeport, Conn. "Alabax"
Duplexalite Div. of Miller Co., Meriden, Conn.
Gillinder & Sons, Inc., Phila., Pa. (Glass)
Kaylite Mfg. Corp., 138 Mott, New York, N. Y.
Lindsay Light Co., Chicago, Ill.
Novelty Lighting Corp., Cleveland, O.
Pass & Seymour, Syracuse, N. Y.
Patrician Art Metal Corp., Indianapolis, Ind. "Pamco Lantrio"
Quadrangle Mfg. Co., Inc., Chicago, Ill. "Quad"
Stewart Iron Wks. Co., Inc., 814 Stewart Block, Cincinnati, O.
Wakefield (F. W.) Brass Co., Vermilion, O.

FIXTURES, Fireplace—See Andirons, Fenders and Grates; also Fenders, Fireplace

FIXTURES, Grindstone

Grey Iron Casting Co., Mt. Joy, Pa.
Sargent & Co., New Haven, Conn.
Wrightsville Hdw. Co., Wrightsville, Pa.

FIXTURES, Sash Chain

American Chain Co., Inc., Bridgeport, Conn.
Bridgeport Chain Co., Bridgeport, Conn.
Chain Products Co., Cleveland, O.
Corbin, P. & F., New Britain, Conn.
Grant Pulley Hdwe. Co., 101 Park Av., New York, N. Y.
Morton (Thos.), 249 Center, New York, N. Y.
Smith & Egge Mfg. Co., Div. of Turner & Seymour Mfg. Co., Bridgeport, Conn.
Turner & Seymour Mfg. Co., Torrington, Conn.

FIXTURES, Shade—See Rollers and Fixtures, Shade

FIXTURES, Window

Beardsley & Wolcott Mfg. Co., Waterville, Conn.
Detroit Wks., Detroit, Mich. (Reversible)
Richards-Wilcox Mfg. Co., Aurora, Ill. "Air Way"

FIXTURES, Window, Cellar

Griffin Mfg. Co., Erie, Pa.
Ives (H. B.) Co., New Haven, Conn.
McKinney Mfg. Co., Pittsburgh, Pa.
National Mfg. Co., Sterling, Ill.
Russell & Erwin Mfg. Co., New Britain, Conn. "Russwin"
Shelby Springs Hinge Co., Shelby, O.
Stanley Wks., New Britain, Conn.

FLAG HOLDERS—See Holders, Flag

FLAG POLE BRACKETS—See Brackets, Pole, Flag

FLAG POLE SOCKETS—See Sockets, Pole, Flag

FLAG POLES—See Poles, Flag

FLAGGING IRONS—See Irons, Flagging

FLAGS

(See also Pennants)

American Flag Co., 73 Mercer, New York, N. Y.
American Flag Mfg. Co., Easton, Pa.
Annin & Co., 85 5th Av., New York, N. Y.
Betsey Ross Flag Co., Newburgh, N. Y.
Chicago Flag & Decorating Co., Chicago, Ill.
Cincinnati Regalia Co., Cincinnati, O.
Cleveland-Akron Bag Co., Cleveland, O.
Dreesen (Wm.) Co., Pittsburgh, Pa.
Emerson Mfg. Co., Inc., San Francisco, Cal.
Goodell (Jas. M., Jr.), Inc., Chicago, Ill.
Goss (J. C.) Co., Detroit, Mich.
Greenwood-Atkinson-Armstrong Co., Detroit, Mich.
Horstmann (Wm. H.) Co., Phila., Pa.
Humphry's (R. A.) Sons, Phila., Pa.
National Flag Co., Cincinnati, O.
"Old Glory" Mfg. Co., Chicago, Ill.
Pasquale (B.) Co., San Francisco, Cal.
Passaic Print Works, Passaic, N. J.
Ward-Stilson Co., Anderson, Ind.
Weeks-Howe-Emerson Co., San Francisco, Cal.
Whitehead & Hoag Co., 272 Sussex Av., Newark, N. J.

FLANGES, Roof

Bastian-Morley Co., La Porte, Ind. "Y. T."
Berger Mfg. Co., Canton, O. "Berloy"
Bourneuf (Louis) Corp., Lynn, Mass. "Hub"
Butler Mfg. Co., Kansas City, Mo.
Carpenter & Paterson, Inc., Boston, Mass. "Witch"
Eagle-Picher Lead Co., Cincinnati, O.
Harker Mfg. Co., Cincinnati, O. "Retlaw"
Hessler (H. E.) Co., Syracuse, N. Y.
Midland Metal Mfg. Co., Kansas City, Mo.
Prier Brass Mfg. Co., Kansas City, Mo. "S. M. & S."
United Lead Co., 111 B'way, New York, N. Y.

FLASH LANTERNS—See Lanterns, Flash

FLASHING HOOKS—See Hooks, Flashing

FLASHING, Wall, Corrugated

Braden Mfg. Co., Terre Haute, Ind.
Klauer Mfg. Co., Dubuque, Ia.
Milcor Steel Co., Milwaukee, Wis.
National Lead Co., 111 B'way, New York, N. Y.

FLASHINGS, Lead

National Lead Co., 111 B'way, New York, N. Y.

FLASHLIGHT BATTERIES—See Batteries, Flashlight

FLASHLIGHT HOLDERS—See Holders, Flashlight

FLASHLIGHTS, Electric

Blake Mfg. Co., Springfield, Mass. "Sunlight," "Victor"
Bond Electric Corp., 257 Cornelison Av., Jersey City, N. J. "Franco," "Orion," "Winner"
Bright Star Battery Co., 15th & Riverhead, Hoboken, N. J.
Burgess Battery Co., Freeport, Ill. "Snap Lite" (also Revolving Head)
Burgess (C. F.) Laboratories, Madison, Wis.
Campbell Mfg. Co., Long Branch, N. J. (No-Battery)
Champion Carbon Mfg. Co., Cincinnati, O.
Chase Brass & Copper Co., Waterbury, Conn. "Airalite," "Bomb"

FLASHLIGHTS, Electric (Continued)

Delta Electric Co., Marion, Ind. "Buddy," "Challenger," "Marionette" (Pocket)
Federal Electric Co., Chicago, Ill.
French Battery Co., Madison, Wis. "Flasher," "Ray-o-Vac" (also Rotomatic)
Hipwell Mfg. Co., Pittsburgh, Pa. "Hipco"
Manufacturers & Inventors Electric Co., 228 W. B'way, New York, N. Y. "Cats Eye"
Marathon Battery Co., Wausau, Wis.
National Carbon Co., Inc., 30 E. 42nd, New York, N. Y. "American," "Eveready" (Penlight)
Niagara Searchlight Co., Niagara Falls, N. Y.
Peerless Light Co., Chicago, Ill.
Providence Electric Mfg. Co., Providence, R. I. "Little Rhody," "Nitelite"
Seiss Mfg. Co., Toledo, O.
Underwood Battery Co., Cleveland, O.
U. S. Electric Mfg. Corp., 222 W. 14th, New York, N. Y. "Usa-Lite"
Winchester Repeating Arms Co., New Haven, Conn.

FLAT SILVER PLATED TABLE WARE—See Ware, Table, Flat, Silver Plated

FLAT SILVER TABLE WARE—See Ware, Table, Flat, Silver

FLAT SPRINGS—See Springs, Flat

FLAT STEEL STAINLESS TABLE WARE—See Ware, Table, Flat, Steel, Stainless

FLAT TABLE WARE, Silver Plated—See Ware, Table, Flat, Silver Plated

FLATTERS, Blacksmiths'

Stanley Wks., New Britain, Conn. "Stanley Atha"

FLATTING OILS—See Oils, Flatting

FLAX TWINE—See Twine, Wrapping, Etc.

FLESH FORKS—See Forks, Flesh

FLEXIBLE GLASS SUBSTITUTE—See Glass Substitute, Flexible

FLEXIBLE SPOUT OILERS—See Cans, Oiling

FLEXIBLE WASTE PIPE CLEANER—See Cleaners, Pipe Tool

FLIES, Fishing

Abbey & Imbrie, Utica, N. Y.
Buel (J. T.) Co., Saratoga Springs, N. Y.
Chubb (T. H.) Rod Co., Post Mills, Vt.
Enterprise Mfg. Co., Dept. HA, Akron, O. "Four Brothers," "Pflueger Bull Dog"
Eppinger, Lou J., Detroit, Mich. "Eppinger," "Osprey"
Heddon's (Jas.) Sons, Dowagiac, Mich.
Hilderbrandt (John J.) Co., Logansport, Ind. "Fuzzy Wuzzy," "Hil-De-Lux," "Maniac"
Hoag (M. E.) Fly & Tackle Co., Los Angeles, Cal.
Horrocks-Ibbotson Co., Dept. S., Utica, N. Y. "Gold Medal"
Jamison, W. J., Chicago, Ill.
Kewell (Chas. H.) Co., San Francisco, Cal.
Mole Fly Co., Roosevelt, N. Y.
Orvis (C. F.) Co., Manchester, Vt.
Paw Paw Bait Co., Paw Paw, Mich. "Nieboer Trout Flies"
Peckinpaugh, E. H., Chattanooga, Tenn.
Shakespeare Co., Kalamazoo, Mich.
Shoff Tackle Co., Kent, Wash.
South Bend Bait Co., South Bend, Ind.
Weber Lifelike Fly Co., Stevens Point, Wis. "Green Bay," "Lifelike"

FLOAT VALVES—See Valves, Float and Tank

FLOATS, Closet Tank, Copper

Ayling & Reichert Co., Toledo, O. "No-Sol"
Boston Brass Co., Waltham, Mass. "B. B. Dirigo"
Carpenter & Paterson, Inc., East Boston, Mass. "Witch"
Chase Brass & Copper Co., Waterbury, Conn. "Star"
Detroit Metal Spinning Co., Detroit, Mich. "Demsco"
Hogan Mfg. Co., Hartford, Conn.
Loyal Brass Co., Cleveland, O.
Naugatuck Mfg. Co., Naugatuck, Conn.
Pioneer Stamping Co., Detroit, Mich.
Reichert Float & Mfg. Co., Toledo, O. "Federal," "Leader," "Toledo"
Scovill Mfg. Co., Plumbers' Brass Goods Div., Waterville, Conn.
Union Metal Works, Chelsea, Mass.
Waterbury Mfg. Co., Waterbury, Conn.
Webb (F. W.) Mfg. Co., Boston, Mass. "Webco"
Weber Bros. Metal Works, Chicago, Ill.

FLOATS, Copper, Steam Trap and Boiler

American Mfg. Co., Dayton, O.
Anderson (V. D.) Co., Cleveland, O.
Boston Brass Co., Waltham, Mass.
Dahlquist Mfg. Co., Boston, Mass.
Douglas (John) Co., Cincinnati, O. "Everlasting"
Fisher Governor Co., Inc., Marshalltown, Ia.
Ford Regulator Valve Co., 403 Broome, New York, N. Y.
Gerstein & Copper, Boston, Mass.
Harris (Arthur) & Co., Chicago, Ill.
Keystone Brass & Rubber Co., Phila., Pa.
Monash-Younker Co., Chicago, Ill.
Naugatuck Mfg. Co., Naugatuck, Conn.
Pioneer Stamping Co., Detroit, Mich.
Reliance Gauge Column Co., Cleveland, O.
Weber Bros. Metal Wks., Chicago, Ill.

FLOATS, Fishing

Abbey & Imbrie, Utica, N. Y.
Aluminum Goods Mfg Co., Manitowoc, Wis.
Armstrong Cork Wks. Co., Lancaster, Pa.
Bogert & Hopper, 223 Varick, New York, N. Y.
Boyer Mfg. Co., Winona Lake, Ind. "Winona"
Chester (F. E.) Mfg. Co., Providence, R. I.
Chicago Cork Wks. Co., Chicago, Ill.
Chubb (T. H.) Rod Co., Post Mills, Vt.
Enterprise Mfg. Co., Dept. HA, Akron, O. "Balquil," "Catch-the-Nibbler," "Everline," "Hector," "Matchless," "Nibalo," "Pflueger Bull Dog," "Porcupine-Quill," "Rounder-Ball," "Scioto"
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Heddon's (Jas.) Sons, Dowagiac, Mich.
Hilderbrandt (John J.) Co., Logansport, Ind.
Horrocks-Ibbotson Co., Dept. S., Utica, N. Y.
Ideal Fishing Float Co., Inc., Richmond, Va.
Moonlight Bait Co., Paw Paw, Mich.
Paddock Cork Co., 1209 De Kalb Av., B'klyn, N. Y.
Paw Paw Bait Co., Paw Paw, Mich.
Shakespeare Co., Kalamazoo, Mich.
South Bend Bait Co., South Bend, Ind. "Ideal"
Stiles (H. A.) & Co., Boston, Mass.

FLOATS, Plasterers'

(See also Hawks, Plasterers')

Armstrong Cork Co., Lancaster, Pa.
Atkins (E. C.) & Co., Indianapolis, Ind. "Morfloat"
Atlantic Cork Co., Inc., 219 36th, B'klyn, N. Y.
Billings Union Trowel Wks., 75 Barclay, New York, N. Y.
Empire Level Mfg. Co., Milwaukee, Wis.
Goldblatt Tool Co., Kansas City, Mo.
Holtum Mfg. Co., Freeport, Ill.
Marshalltown Trowel Co., Marshalltown, Ia.
Masons' Tool Mfg. Co., Rochester, N. Y.
Mayes Bros. Tool Mfg. Co., Port Austin, Mich. (Cork & Wood)
Paddock Cork Co., 1209 De Kalb Av., B'klyn, N.Y.
Sand's Level & Tool Co., Detroit, Mich.

FLOATS, Play

White (H. C.) Co., North Bennington, Vt. "Corker-Bobber"

FLOATS, Seine

Bogert & Hopper, 223 Varick, New York, N. Y.
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.

FLOODLIGHTS, Electric

Bausch & Lomb Optical Co., Rochester, N. Y.
Benjamin Electric Mfg. Co., Desplaines, Ill.
Corcoran-Brown Lamp Co., Cincinnati, O.
Curtis Lighting, Inc., Chicago, Ill.
Dietz (R. E.) Co., 60 Laight, New York, N. Y. "Economy"
General Electric Co., Schenectady, N. Y.
Pyle National Co., Chicago, Ill.
Westinghouse Elec. & Mfg. Co., East Pittsburgh, Pa.

FLOOR BRUSHES—See Brushes, Household

FLOOR CHECKS—See Checks, Floor

FLOOR CHISELS—See Chisels, Floor

FLOOR CLEANER DEVICE—See Cleaners, Floor Device

FLOOR COVERING—See Linoleum; also Oilcloth

FLOOR DUSTERS—See Dusters, Floor

FLOOR ENAMELS—See Enamels, Floor

FLOOR FLANGES, CLOSET—See Flanges, Closet Floor

FLOOR HINGES—See Hinges, Floor

FLOOR MACHINES, ELECTRIC—See Machines, Floor, Electric

FLOOR PAINTS—See Paints, Floor

FLOOR PLATES—See Plates, Floor and Ceiling

FLOOR POLISHERS—See Brushes, Floor Polishing; also Machines, Floor, Electric

FLOOR POLISHES—See Polishes, Floor

FLOOR POLISHING BRUSHES—See Brushes, Floor Polishing

FLOOR RAMMERS—See Rammers, Bench and Floor

FLOOR REGISTERS—See Registers, Warm Air

FLOOR SANDING MACHINES—See Machines, Floor, Electric

FLOOR SCRAPERS—See Scrapers, Floor

FLOOR SCRUBBERS—See Machines, Floor, Electric

FLOOR SURFACERS—See Machines, Floor, Electric

FLOOR VARNISHES—See Varnishes, Floor

FLOOR WAXERS—See Machines, Floor, Electric

FLOORING BRADS—See Brads

FLOORING CLAMPS—See Clamps, Flooring

FLOORING HATCHETS—See Hatchets, Flooring

FLOORING SAWS—See Saws, Flooring

FLOUR MILLS—See Mills, Flour

FLOUR SIEVES—See Sieves, Flour

FLOUR SIFTERS—See Sifters, Flour

FLOWER BED BORDERS—See Borders, Flower Bed

FLOWER BOXES—See Boxes, Flower

FLOWER HOLDERS—See Holders, Flower

FLOWER PICKERS—See Pickers, Fruit, Etc.

FLOWER POT BRACKETS—See Brackets, Flower Pot

FLOWER POTS—See Pots, Flower

FLOWER SEED—See Seed, Flower

FLOWER STAKES—See Stakes, Nursery and Garden

FLOWER VASES, Lawn—See Vases, Lawn

FLOWER WEEDERS—See Weeders, Garden and Lawn

FLUE BRUSHES—See Brushes, Flue

FLUE SCRAPERS—See Scrapers, Flue

FLUE STOPPERS—See Stoppers, Flue

FLUES, Gas Range

Akme Flue, Inc., Baltimore, Md.
Aluminite Co., Inc., 135-26 Hillside Av., Jamaica, N. Y. (Caps)
Chattanooga Boiler & Tank Co., Chattanooga, Tenn.
Hedges-Walsh-Weidner Co., Chattanooga, Tenn.
Monarch Products Co., Baltimore, Md. "Ventiflector"
Petroleum Iron Works Co., Sharon, Pa.
Ward Mfg. Co., Detroit, Mich. "Hydro-Flue"

FLUIDS, CLEANING—See Compounds, Cleaning

FLUSH DRAWER RINGS—See Rings, Flush, Drawer

FLUSH OUTLETS—See Outlets, Flush

FLUSH PLATES, Switch—See Plates, Flush

FLUSH RECEPTACLES—See Receptacles, Flush

FLUSH TANK BALLS—See Balls, Flush Tank

FLUTERS

North Bros. Mfg. Co., Phila., Pa. "Crown," "Knox"

FLUX, Soldering

Allen (L. B.) Co., Inc., 6731 Bryn Mawr Av., Chicago, Ill.
American Solder & Flux Co., Phila., Pa. "Amco," "Tinol"
Benson (Alex. R.) Co., Hudson, N. Y. "Yagers"
Boyer Chemical Laboratory Co., Chicago, Ill.
Burnley Battery & Mfg. Co., North East, Pa.
Dunton (M. W.) Co., Providence, R. I. "Nokorode"
Economy Plumber Co., 332 Canal, New York, N.Y. "Hercules"
Grasselli Chemical Co., Cleveland, O. "Eureka," "Kleanroll," "Snowflake," "Standard"
Hercules Chemical Co., Inc., 332 Canal, New York, N. Y.
Highland Electro Chemical Mfg. Co., Connellsville, Pa.
Kester Solder Co., Chicago, Ill.
Lenk Mfg. Co., Newton Lower Falls, Mass.
Letellier Laboratories, Inc., Rochester, N. Y. "Tisit" (Liquid)
McGill Mfg. Co., Valparaiso, Ind. "Crescent," "Star"

FLUX, Soldering (Continued)

National Lead Co., 111 B'way, New York, N. Y. "Excelsior"
Northwestern Chemical Co., Marietta, O.
Paragon Insulating Co., Cleveland, O.
Pfanstiehl Chemical Co., Waukegan, Ill. "SpecO"
Rotax Mfg. Co., 24 Bathgate Pl., Newark, N. J.
Ruby Chemical Co., Columbus, O. "Rubyfluid"
Solderall Co., 129 Sussex Av., Newark, N. J.

FLY BOOKS—See Books, Fly

FLY CATCHERS—See Catchers, Fly

FLY CREAM—See Cream, Insect

FLY NETS—See Nets, Fly

FLY PAPER—See Paper, Fly

FLY REPELLENTS—See Repellents, Fly

FLY SPRAYS—See Repellents, Fly

FLY SWATTER WIRE CLOTH—See Cloth, Wire

FLY SWATTERS—See Swatters, Fly

FLY TRAPS—See Traps, Fly

FOLDING ANCHORS—See Anchors, Boat, Ship, etc.

FOLDING BATH TUBS—See Tubs, Bath, Folding

FOLDING CAMP COTS—See Cots, Camp, Folding

FOLDING CANVAS BASINS—See Basins, Canvas, Folding

FOLDING CHAIRS—See Chairs, Folding

FOLDING COTS—See Cots, Camp, Folding

FOLDING GATES—See Gates, Folding

FOLDING HORSES—See Horses, Steel

FOLDING PAPER BOXES — See Boxes, Paper, Folding

FOLDING RULES—See Rules, Folding

FOLDING SCREW DRIVERS—See Screw Drivers, Folding

FOLDING STEP LADDERS—See Ladders, Step, Folding

FOLDING TABLES—See Tables, Card and Folding

FOLDING TRELLISES—See Trellises

FOOD CHOPPERS—See Choppers, Meat

FOOD CONTAINERS—See Containers, Food

FOOD, Dog—See Biscuits, Dog

FOOD, Fish

American Bird Products Co., Chicago, Ill.
Burnett, Inc., 217 Plane, Newark, N. J.
Champion Animal Food Co., Minneapolis, Minn.
Spratts Patent, Ltd., 14 Congress, Newark, N. J.
Terrel (Clyde B.), Oshkosh, Wis.

FOOD STRAINERS—See Strainers, Food

FOOT BALL BLADDERS—See Bladders, Foot Ball, Etc.

FOOT BALL INFLATORS—See Inflators, Foot Ball

FOOT BALL LACES—See Laces, Foot Ball, Etc.

FOOT BALL PUMPS—See Pumps, Foot Ball, Etc.

FOOT BALL SHOES—See Shoes, Foot Ball

FOOT BALL SUITS—See Uniforms, Foot Ball

FOOT BALL UNIFORMS—See Uniforms, Foot Ball

FOOT BALLS—See Balls, Foot

FOOT BOLTS—See Bolts, Door and Window

FOOT POWER GRINDERS — See Grinders, Foot and Hand Power

FOOT-RACERS, Children's—See Scooters

FOOT RESTS—See Rests, Foot

FOOT SCRAPERS—See Scrapers, Foot

FOOT VALVES—See Valves, Foot

FORCE CUPS—See Cups, Force

FORCE HOUSE PUMPS—See Pumps, House, Force

FORCE PUMPS—See Pumps, Force

FORCEPS, Pig

Decker Mfg. Co., Keokuk, Ia.
Easy Way Mfg. Co., Cresco, Ia. "E-Z"
Gabel Mfg. Co., Hawkeye, Ia. "Champion," "Neverfail," "So E-Z," "20th Century," "Wonder"
Pratt (Wm. E.) Mfg. Co., Chicago, Ill. "Mendenhalls," "Perfect"
Stearns (E. C.) & Co., Syracuse, N. Y. "Stearns Ecsco"

FORGED NAILS—See Nails, Forged

FORGED NUTS—See Nuts, Forged

FORGED STEEL AXES—See Axes, Single and Double Bit, Forged Steel

FORGES, Portable

American Gas Furnace Co., Elizabeth, N. J.
Anthony Co., 138 West Av., Long Island City, N.Y. "Anthony Nebulyte"
Buffalo Forge Co., Buffalo, N. Y.
Canedy-Otto Mfg. Co., Chicago Heights, Ill. "Royal," "Western Chief"
Champion Blower & Forge Co., Lancaster, Pa. "Imperial," "400," "Lancaster," "Midway"
Chicago Flexible Shaft Co., Chicago, Ill.
Fargo Foundry Co., Fargo, N. D.
Furness Bros. Co., Chicago, Ill. "Cumming"
Kane & Roach, Syracuse, N. Y.
Lancaster Iron Wks., Lancaster, Pa.
Lovejoy Tool Wks., Chicago, Ill.
Macleod Co., Cincinnati, O. (Oil)
Mahr Mfg. Co., Minneapolis, Minn.
Quick Meal Stove Co., St. Louis, Mo.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Sturtevant (B. F.) Co., Boston, Mass.
Tate-Jones & Co., Pittsburgh, Pa.

FORK HANDLES—See Handles, Hickory

FORK TRAYS—See Trays, Knife and Fork

FORKS, Alfalfa and Hay

American Fork & Hoe Co., Cleveland, O. "True Temper"
International Fork & Hoe Co., New Haven, Ind. "New Haven"
Ney Mfg. Co., Canton, O. "Harris," "Jackson," "Nellis," "Walker"
Union Fork & Hoe Co., Columbus, O.

FORKS, Baling Press

American Fork & Hoe Co., Cleveland, O. "True Temper"
Union Fork & Hoe Co., Columbus, O.

FORKS, Camp Fire—See Forks, Toasting

FORKS, COAL and COKE

American Fork & Hoe Co., Cleveland, O. "True Temper"
International Fork & Hoe Co., New Haven, Ind. "New Haven"
Union Fork & Hoe Co., Columbus, O.

FORKS, Culinary, Kitchen, Etc.

A. & J. Kitchen Tool Co., Chicago, Ill. "Blutip"
Acme Metal Goods Mfg. Co., 2 Orange, Newark, N. J.
American Stainless Knife Co., Chicago, Ill.
Chatillon (John) & Sons, 85 Cliff, New York, N.Y.
Clyde Cutlery Co., Clyde, O.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Handy Things Mfg. Co., Ludington, Mich. "Duplex"
Harrington Cutlery Co., Southbridge, Mass. "Dexter"
Henckels (J. A.), Inc., 456 4th Av., New York, N.Y. "Twin Brand," "Welkut"
K-D Mfg. Co., Lancaster, Pa. "Becky Porter"
Lalance & Grosjean Mfg. Co., Woodhaven, L. I., N. Y.
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass. "Anchor"
Landers, Frary & Clark, New Britain, Conn. "Universal"
Mechanics Tool & Wrench Co., Greenfield, Mass.
Ontario Knife Co., Franklinville, N. Y. "Never-Stain," "Tru-Edge"
Plymouth Stamped Metal Co., Galion, O.
P.M.C. Mfg. Corp., Kingston, N. Y.
Remington Arms Co., Inc., Bridgeport, Conn. "Klean Blade"
Samson-United Corp., Rochester, N. Y. (Stainless)
Shelby Metal Products Co., Shelby, O.
Shelton Cutlery Co., Shelton, Conn.
Sta-Brite Products Corp., New Haven, Conn.
Standard Wire & Tube Co., Mineral Ridge, O.
United States Cutlery Co., 2 Main, Belleville, N. J.
U. S. Mfg. Co., Decatur, Ill.
Utility Mfg. Co., Baltimore, Md.
Vaughan Novelty Mfg. Co., Chicago, Ill. "No-Chip"
Voos Co., Inc., New Haven, Conn.
Wallace Bros., Wallingford, Conn. "W. B. W."
Washburn Company, Worcester, Mass.
Williamson (C. T.) Wire Novelty Co., 53 Badger Av., Newark, N. J.
Winchester Repeating Arms Co., New Haven, Conn.

FORKS, Ensilage

American Fork & Hoe Co., Cleveland, O. "True Temper"
Union Fork & Hoe Co., Columbus, O.

FORKS, Flesh

Chatillon (John) & Sons, 85 Cliff, New York, N. Y.
Hess (Chas.) Co., 49-14 Metropolitan Av., B'klyn, N. Y.
Landers, Frary & Clark, New Britain, Conn. "Universal"
Lisk Mfg. Co., Ltd., Canandaigua, N. Y.
Michigan Wire Goods Co., Niles, Mich. "Reddick"
National Enameling & Stamping Co., Milwaukee, Wis.
Racine Iron & Wire Wks., Racine, Wis.
U. S. Mfg. Co., Decatur, Ill.
Utility Mfg. Co., Baltimore, Md.
Wallace Bros., Wallingford, Conn. "W. B. W."

FORKS, Garden

Akron-Selle Co., Akran, O. "Tasco"
American Fork & Hoe Co., Cleveland, O. "True Temper"
Animal Trap Co. of America, Lititz, Pa. "Trump"
C-K-R Company, Cleveland, O.
Ennis Mfg. Co., Reading, Pa.
Gray Iron Foundry Co., Reading, Pa.
Sargent & Co., New Haven, Conn.
Southington Hdw. Co., Southington, Conn.
Stanley Works, New Britain, Conn.
Union Fork & Hoe Co., Columbus, O.
United States Lock & Hdw. Co., Columbia, Pa.
Village Blacksmith Folks, Watertown, Wis.

FORKS, Grapple—See Forks, Hay, Horse, Etc.

FORKS, Hay, Horse Grapple, Harpoon, Etc.

Advance Car Mover Co., Appleton, Wis. "Eagle"
Farrell (John) & Son, Newton, N. J.
Goshen Mfg. Co., Goshen, Ind.
Hudson (H. D.) Mfg. Co., Chicago, Ill.
Louden Mchy. Co., Fairfield, Ia.
Milwaukee Hay Tool Co., Milwaukee, Wis.
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O. "Giant Automatic Grapple," "Jackson," "Locklever," "Nellis," "Perfect Automatic Grapple"
Ney Mfg. Co., Canton, O. "Alfalfa," "Harris," "Jackson," "Nellis," "Walker"
Porter (J. E.) Co., Ottawa, Ill. "Acme," "Cyclone"
Rassman (F.) Mfg. Co., Beaver Dam, Wis.
Rochester Barn Equipment Co., Rochester, N. Y.
Starline, Inc., Harvard, Ill.

Forks, Harpoon—See Forks, Hay, Horse Grapple, Etc.

FORKS, Header

American Fork & Hoe Co., Cleveland, O. "True Temper"
International Fork & Hoe Co., New Haven, Ind. "New Haven"
Union Fork & Hoe Co., Columbus, O.

FORKS, Household, Wood

Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Parrish (J. Shepherd) Co., Chicago, Ill.

FORKS, Kitchen—See Forks, Culinary, Kitchen, Etc.

FORKS, Kitchen, Wire

Clyde Cutlery Co., Clyde, O.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Lalance & Grosjean Co., Woodhaven, N. Y.
Michigan Wire Goods Co., Niles, Mich. "Reddick"
Piqua Handle & Mfg. Co., Piqua, O.
Racine Iron & Wire Wks., Racine, Wis.
Washburn Company, Worcester, Mass. "Sno-Cap"

FORKS, Manure

American Fork & Hoe Co., Cleveland, O. "True Temper"
Brinser's (E. C.) Sons, Inc., Richmond, Va.
International Fork & Hoe Co., New Haven, Ind. "New Haven"
Union Fork & Hoe Co., Columbus, O.

FORKS, Pitch—See article desired, under Forks

FORKS, Spading

American Fork & Hoe Co., Cleveland, O. "True Temper"
International Fork & Hoe Co., New Haven, Ind. "New Haven"
Union Fork & Hoe Co., Columbus, O.

FORKS and KNIVES, Table—See Ware, Table

FORKS, Stone or Ballast

American Fork & Hoe Co., Cleveland, O. "True Temper"
International Fork & Hoe Co., New Haven, Ind. "New Haven"
Union Fork & Hoe Co., Columbus, O.

FORKS, Stone Picker

American Fork & Hoe Co., Cleveland, O. "True Temper"
Union Fork & Hoe Co., Columbus, O.

FORKS, Tinned—See Ware, Table, Tinned

FORKS, Toasting

Dollar (W. H.) Mfg. Co., Camden, N. J.
Michigan Wire Goods Co., Niles, Mich. "Reddick"
U. S. Mfg. Co., Decatur, Ill.
Washburn Company, Worcester, Mass.

FORKS, Vegetable, Scoop

(See also Scoops, Vegetable)

American Fork & Hoe Co., Cleveland, O. "True Temper"
Handy Things Mfg. Co., Ludington, Mich.
Michigan Wire Goods Co., Niles, Mich. "Androck," "Champion," "Sholder"
Union Fork & Hoe Co., Columbus, O.
United States Cutlery Co., 2 Main, Belleville, N. J.
Washburn Company, Worcester, Mass.

FORKS, Weeding

Kingsbury Mfg. Co., Keene, N. H.
Mason & Parker Mfg. Co., Winchendon, Mass.
Michigan Wire Goods Co., Niles, Mich. "Androck"
Stanley Wks., New Britain, Conn.

FOUNDRYMEN'S TOOLS—See Tools, Molders'

FOUNTAINS, Drinking, Sanitary

Century Brass Works, Inc., Belleville, Ill. "Drink-King"
Ebinger (D. A.) Sanitary Mfg. Co., Columbus, O.
Fiske (J. W.) Iron Wks., 78 Park Pl., New York, N. Y.
Hedges-Walsh-Weidner Co., Chattanooga, Tenn.
Humphryes Mfg. Co., Mansfield, O.
Manufacturing Equipment & Engineering Co., Framingham, Mass.
Stewart Iron Wks. Co., Inc., 814 Stewart Block, Cincinnati, O.
Waterman-Waterbury Co., Minneapolis, Minn.

FOUNTAINS, Garden—See Fountains, Lawn and Garden

FOUNTAINS, Lawn and Garden

Bird Fount Co., 139 Franklin, New York, N. Y. (Bird)
Burley & Winter Pottery Co., Crooksville, O. "Bur-Win"
Fiske (J. W.) Iron Wks., 78 Park Pl., New York, N. Y.
Jewell Electric & Mfg. Co., Chicago, Ill.
Stewart Iron Wks. Co., Inc., 814 Stewart Block, Cincinnati, O.

FOUNTAINS, Poultry

Advance Mfg. Co., Tipton, Ind.
Anderson Mfg. Co., Des Moines, Ia. "Tip Top"
Beatrice Steel Tank Mfg. Co., Beatrice, Neb. "Nu-Way"
Bernard (Philip) Co., Sioux City, Ia.
Boyer Mfg. Co., Thornton, Ind.
Brower Mfg. Co., Quincy, Ill.
Buckeye Pottery Co., Macomb, Ill. "Blue Ribbon," "Non-Spill"
Burley & Winter Pottery Co., Crooksville, O.
Capital Incubator Co., St. Paul, Minn.
Close-To-Nature Co., Colfax, Ia.
Collins, W. H., 445 Greenwich, New York, N. Y.
Cyclone Mfg. Co., Urbana, Ind.
Dayton Toy & Specialty Co., Dayton, O. "Dayton Fount"
Des Moines Incubator Co., Des Moines, Ia. "Successful"
Drees (Con. F.) Mfg. Co., Covington, O.
Drew Line Co., Fort Atkinson, Wis.
Globe American Corp., Kokomo, Ind. "Inso-Fount," "Makomb"
Hall Mfg. Co., Cedar Rapids, Ia.
Heller-Aller Co., Napoleon, O.
Hoeft & Co., Inc., 2309 Davis, North Chicago, Ill. "Moe's"
Hudson (H. D.) Mfg. Co., Chicago, Ill.
Illinois Supply Co., Aurora, Ill. "Illco"
James Mfg. Co., Fort Atkinson, Wis. "Jamesway"
Klein Mfg. Co., Burlington, Ia. "K-Line"
Lemaster, Howard, Forest Glen, Md. "Bubbler"
Milcor Steel Co., Milwaukee, Wis.
Mit-Shel Stamping Mfg. Co., Quincy, Ill. "Blue Bird"
National Enameling & Stamping Co., Milwaukee, Wis.
National Mfg. & Stamping Co., Des Moines, Ia. "Red Star"
New Delphos Mfg. Co., Delphos, O.
New McCurdy Mfg. Co., Ada, O.
New Standard Corp., Mount Joy, Pa.
North Dakota Metal Culvert Co., Fargo, N. D.
Oakes Mfg. Co., Tipton, Ind.
Pennsylvania Stamping Corp., York, Pa. "Keystone"
Pfaltzgraff Pottery Co., York, Pa.
Pittsburgh Pottery Co., Pittsburg, Kan.
Quinn Wire & Iron Wks., Boone, Ia. "Daisy"
Reliable Incubator & Brooder Co., Quincy, Ill.
Royal Mfg. Co., Toledo, O.
St. Paul Corrugating Co., St. Paul, Minn. "Pruden"
Sexton Can Co., Everett, Mass. "Bay State," "Boston," "Everett," "Sanitary"
Starline, Inc., Harvard, Ill.
Thieman Harvester Co., Inc., Albert City, Ia. (Automatic)
Thomas-Armstrong Co., London, O. "Buckeye"
Vac Mfg. Co., Monmouth, Ill.
Weber-Kirch Mfg. Co., Keokuk, Ia. "W-K"
Western Stoneware Co., Monmouth, Ill.

FOUNTAINS, Soda—See Supplies, Kitchen, Hotel, Etc.

FOUNTAINS, Stock

Butler Mfg. Co., Kansas City, Mo.
Celina Mfg. Co., Celina, O.
Novelty Iron Wks., Sterling, Ill.
Stover Mfg. & Engine Co., Freeport, Ill.
Swett (A. L.) Iron Works, Medina, N. Y.
Thieman Harvester Co., Inc., Albert City, Ia. "Bull Dog," "Little Sioux," "Little Sioux Lamp," "New Hot Nipple"

FOUR-CUT SAWS—See Saws, Four Cut

FOX AND FUR FARM NETTING—See Netting, Wire Poultry, Etc.

FRAME CLAMPS—See Clamps, Frame

FRAME CORNERS, Screen—See Corners, Screen Frame

FRAMING SQUARES—See Squares, Framing

FRAMING TOOLS—See Squares, Framing

FRAMES, Coping Saw

Ackerman, Steffan & Co., Chicago, Ill. "Trojan," "Trojan Jr."
Atkins (E. C.) & Co., Indianapolis, Ind.
Bridgeport Hdw. Mfg. Corp., 200 Seaside Park, Bridgeport, Conn.
Consolidated Tool Works, 509 Madison Av., New York, N. Y. "Pilot"
Dikeman Mfg. Co., Norwalk, Conn.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Forsberg Mfg. Co., Sea View Av., Bridgeport, Conn.
Griffin (G. W.) Co., Franklin, N. H.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Moore Bros. Saw, File & Tool Corp., Jamestown, N. Y.
Parker Metal Goods Co., Worcester, Mass.
Parker Wire Goods Co., Worcester, Mass. "Parker Special," "Superior"

FRAMES, Hack Saw

Albany Hdw. Specialty Mfg. Co., Albany, Wis.
Atkins (E. C.) & Co., Indianapolis, Ind. "AAA," "Hoosier," "Indiana"
Bridgeport Hdw. Mfg. Corp., 200 Seaside Park, Bridgeport, Conn. "Klose Kut," "Matchless"
Consolidated Tool Wks., 509 Madison Av., New York, N. Y. "Alpha," "Pilot"
Cook (H. C.) Co., Ansonia, Conn. "Burro"
Crescent Tool Co., Jamestown, N. Y. "Red Devil"
Dikeman Mfg. Co., Norwalk, Conn.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Forsberg Mfg. Co., Bridgeport, Conn. "Bon-Ton," "Champion," "Tom Thumb"
K. D. Mfg. Co., Lancaster, Pa.
Langelier Mfg. Co., Providence, R. I.
Mechanics Tool & Wrench Co., Greenfield, Mass.
Millers Falls-Goodell Pratt Co., Greenfield, Mass. "Easy Grip," "Pistol Grip"
Misener Mfg. Co., Inc., Syracuse, N. Y.
Parker Wire Goods Co., Worcester, Mass. "Handy"
Picard (George) Co., Inc., 105 Water, New York, N. Y. "Kit-Haxaw"
Schroeder Bros. Mfg. Co., Torrington, Conn.
Simonds Saw & Steel Co., Fitchburg, Mass.
Stanley Wks., New Britain, Conn.
Starrett (L. S.) Co., Athol, Mass.
Thompson (Henry G.) & Son Co., New Haven, Conn. "Master Grip," "Milford," "Mil-Flex"
Tiffany Aluminum Products Co., St. Louis, Mo. "Handy"
Union Hdw. Co., Torrington, Conn. "Union"
Union Tool Co., Orange, Mass.

FRAMES, Saw, Steel Bow

Sandvik Saw & Tool Corp., Minneapolis, Minn. "Sandvik" (Imported)

FRAMES, Window Screen, Knock-Down

Continental Screen Co., Detroit, Mich. "Owosso," "Philadelphia," "Porter," "Wabash"
Micklin Mfg. Co., Omaha, Neb.
National Screen Co., Suffolk, Va.
Weiner (B.) Mfg. Co. Inc., Phila., Pa. "Make-Ezy"

FRAMES, Wood Saw

Bradley (David) Mfg. Wks., Bradley, Ill.
Buller Coupler Co., Hillsboro, Kan.
Cardwell Machine Co., Richmond, Va.
Freeman Mfg. Co., Racine, Wis.
Orangeville Mfg. Co., Orangeville, Pa.
Stover Mfg. & Engine Co., Freeport, Ill.
Thieman Harvester Co., Inc., Albert City, Ia.

FREEZERS, Ice Cream

Acme Can Co., Phila., Pa.
Alaska Freezer Co., Inc., Winchendon, Mass. "Alaska Cottage Special," "Auto-Vacuum," "Grey Goose," "North Pole," "North Star," "Polaris"
Beh & Co., 1140 B'way, New York, N. Y. "Acme," "Everybody's"
Champion Line Machinery Co., Inc., 132 W. 31st, New York, N. Y.
Instantfreeze Corp., Milwaukee, Wis.
New Standard Corp., Mount Joy, Pa. (Metal) "Dandy," "Regal," "Sonny Boy"
North Bros. Mfg. Co., Phila., Pa. "Blizzard," "Double Action Crown," "Gem," "Jumbo Lightning," "Lightning," "Toy"
Peare (R. M.) Co., Chicago, Ill. "Gills," "In-A-Minute"
Peerless Freezer Co., Winchendon, Mass. "Polar"
Richmond Cedar Works, Richmond, Va. "Double Quick," "Frost King," "Snow Ball"
Stirrup Mfg. Co., Inc., 250 South, Newark, N. J. "Casco" (Vacuum)
Tate (Wm. J.) Est., Phila., Pa.
Taylor Bros. Churn & Mfg. Co., St. Louis, Mo. "Jersey"
Toy Town Freezer Co., Winchendon, Mass. "Everybody's"
Treman, King & Co., Ithaca, N. Y. "Cayuga"
White Mountain Freezer Co., Inc., Nashua, N. H. "Arctic," "Pollyanna"

FREEZERS, Ice Cream, Electric

Alaska Freezer Co., Inc., Winchendon, Mass. "Pioneer"
Hoe Corp., Poughkeepsie, N. Y. "Merryway" (Electric)
Howes (S. M.) Co., Boston, Mass. "Freezer-Tray" (For Electric Refrigerators)
Kitchen Aid Mfg. Co., Troy, O. "Autofreezer"
New Standard Corp., Mt. Joy, Pa.
Peare (R. M.) Co., Chicago, Ill. "Gills," "In-A-Minute"
Taylor Bros. Churn & Mfg. Co., St. Louis, Mo.
White Mountain Freezer Co., Inc., Nashua, N. H. "Cafeteria," "Commercial," "Domestic"

FREEZERS, Ice Cream, Power

Alaska Freezer Co., Inc., Winchendon, Mass.
North Bros. Mfg. Co., Phila., Pa. "Combination," "Lightning," "Philadelphia-Seaman"
Peerless Freezer Co., Winchendon, Mass.
White Mountain Freezer Co., Inc., Nashua, N. H. "Big Chief"

FREIGHT ELEVATORS—See Elevators, Freight

FRET SAWS—See Saws, Scroll

FRICTION HINGES—See Hinges, Friction

FRICTION TAPE—See Tape, Rubber and Friction

FRICTION TOYS

Dayton Friction Toy Co., Dayton, O.
Republic Tool Products Co., Dayton, O.
Schieble Toy & Novelty Co., Dayton, O. "Hill Climber"

FROG SPEARS—See Spears, Fishing

FROGS, Preserved—See Baits, Fish, Preserved

FRONTS, Store

Columbus Wire & Iron Wks. Co., Columbus, O. (Wrought Iron & Cast Iron)
Conroy-Prugh Glass Co., Pittsburgh, Pa. (Plate Glass)
Corning Mfg. Co., Corning, N. Y. (Metal)
Coulson (J. W.) & Co., Columbus, O.
Detroit Show Case Co., Detroit, Mich. "Desco"
Hires Turner Glass Co., Phila., Pa.
International Steel & Iron Co., Evansville, Ind.
Kawneer Co., Niles, Mich.
Logan Co., Louisville, Ky.
Milcor Steel Co., Milwaukee, Wis.
Newman Mfg. Co., Cincinnati, O.
Price-Evans Foundry Corp., Chattanooga, Tenn.
Sioux Metal Products Co., Sioux City, Ia. "Nulock"
Zouri Drawn Metals Co., Chicago Heights, Ill.

FRUIT BASKETS—See Baskets, Fruit

FRUIT CORERS—See Corers, Fruit

FRUIT CRATES—See Crates, Delivery and Fruit

FRUIT JAR CAPS—See Caps, Fruit Jar

FRUIT JAR RINGS—See Rubbers, Fruit Jar

FRUIT JAR RUBBERS—See Rubbers, Fruit Jar

FRUIT JAR WRENCHES—See Wrenches, Fruit Jar

FRUIT JARS—See Jars, Fruit

FRUIT JUICE EXTRACTORS—See Extractors, Fruit Juice

FRUIT KNIVES—See Knives, Fruit

FRUIT PACKING SACKS—See Sacks, Seed and Fruit

FRUIT PARERS—See Parers, Fruit

FRUIT PICKERS—See Pickers, Fruit, Etc.

FRUIT PICKERS' LADDERS—See Ladders, Fruit Pickers'

FRUIT PICKING BAGS—See Bags, Fruit Picking

FRUIT PICKING BASKETS—See Baskets, Fruit Picking

FRUIT PRESSES—See Presses, Fruit

FRUIT SLICERS—See Slicers, Fruit

FRUIT STRAINERS—See Strainers, Fruit & Vegetable

FRYERS, Basket
(See also Baskets, Wire)

Hodges (Wm.) Co., Phila., Pa.
Hall & Carpenter, Phila., Pa. "Crown"
Hamblin & Russell Mfg. Co., Worcester, Mass.
Illinois Pure Aluminum Co., Lemont, Ill. "American Maid"
Royal Mfg. Co., Phila., Pa.
Utility Mfg. Co., Baltimore, Md.
Washburn Company, Worcester, Mass.
Wilson Mfg. Co., Niles, O.

FRYING BASKET WIRECLOTH—See Cloth, Wire, Frying Basket

FRYING PANS—See Pans, Frying

FUEL LIFTS—See Lifts, Fuel

FUEL OIL HEATERS—See Heaters, Fuel Oil

FUEL OIL WATER HEATERS—See Heaters, Water, Fuel Oil

FUEL SAVERS—See Savers, Fuel

FULLER BALLS—See Balls, Fuller

FUNGICIDES
(See also Insecticides)

American Cyanamid Sales Co., 535 5th Av., New York, N. Y. "Cyanogas"
Antiseptic Products Co., Denver, Col.
Bowker Chemical Co., 419 4th Av., New York, N. Y. "Pyrox"
California Rex Spray Co., Benicia, Cal. "Rex"
Carbola Chemical Co., Natural Bridge, N. Y.
Chipman Chemical Eng'g Co., Bound Brook, N. J.
Cream City Chemical Wks., Milwaukee, Wis.
Du Bois (H. A.) & Sons, Cobden, Ill.
General Chemical Co., 40 Rector, New York, N. Y. "Orchard Brand"
Glidden Co., Cleveland, O.
Grasselli Chemical Co., Cleveland, O.
Hammond's Paint & Chemical Co., Beacon, N. Y. "Grape & Rose Dust"
Interstate Chemical Co., 657 Garfield Av., Jersey City, N. J.
Lucas (John) & Co., Phila., Pa.
Martin-Senour Co., Chicago, Ill.
Niagara Sprayer & Chemical Co., Middleport, N. Y.
Pratt (B. G.) Co., 50 Church, New York, N. Y. "Carboleine," "Scalecide," "Sulfocide"
Sherwin-Williams Co., Cleveland, O.
Shur-Gro Fertilizer Corp., Pittsburgh, Pa.
Standard Chemical Works, Inc., Reading, Pa. "Pan-Tox"
Wilson (Andrew), Inc., Springfield, N. J. "Awing," "Fung-O," "O. K.," "Scale-O"

FUNNELS, Grocers'—See Funnels, Household, Grocers' Etc.

FUNNELS, Household, Grocers', Etc.

Almo Trading & Importing Co., Inc., 61 E. 11th, New York, N. Y. (Indurated Fibre)
Aluminum & Metal Products Corp., Buffalo, N. Y. "Magic"
Aluminum Specialty Co., Manitowoc, Wis.
American Aluminum Ware Co., 374 Jeliff Av., Newark, N. J. "Peerless"
Battery Equipment & Supply Co., Chicago, Ill. (Battery) "Besco"
Behrens (H.) Mfg. Co., Winona, Minn.
Buckeye Aluminum Co., Wooster, O. "Real Solid"
Doylestown Aluminum Ware, Doylestown, O.
Fargo Aluminum Co., Taunton, Mass.
Marsden (J. E.) Glass Works, Inc., Ambler, Pa.
National Enameling & Stamping Co., Milwaukee, Wis.
Rochester Can Co., Rochester, N. Y.
Savory, Inc., 591 Ferry, Newark, N. J.
Sexton Can Co., Everett, Mass.
United States Glass Co., Pittsburgh, Pa.
U. S. Stamping Co., Moundsville, W. Va.
Vollrath Co., Sheybogan, Wis.
Wagner Mfg. Co., Sidney, O.
Western Metal Spinning Wks., Chicago, Ill.

FUNNELS and MEASURES, Metal

Aldrich Mfg. Co., Buffalo, N. Y.
Aluminum Cooking Utensil Co., New Kensington, Pa. "Wear-Ever"
Aluminum Goods Mfg. Co., Manitowoc, Wis.
American Can Co., 230 Park Av., New York, N. Y.
Atlantic Stamping Co., Rochester, N. Y.
Buffalo Lamp & Mfg. Co., Inc., Buffalo, N. Y. (Copper)
Cincinnati Ball Crank Co., Cincinnati, O. "Brookins"
Dover Stamping & Mfg. Co., Cambridge, Mass. "Flexto," "Kompact," "Saval"
Edelmann (E.) & Co., Chicago, Ill. "Swing Spout"
Entorp Filter Co., Amboy, Ill.
Groetken Pump Co., Aurora, Ill.
Hoaglin (F. L.) Mfg. Co., Waupaca, Wis. "Nospil"
Huffman Mfg. Co., Dayton, O.
Kirk & Blum Mfg. Co., Cincinnati, O.
Kraft, A. C., Chicago, Ill.
Lawson (F. H.) Co., Cleveland, O. "Lawco"
National Enameling & Stamping Co., Milwaukee, Wis.
New Delphos Mfg. Co., Delphos, O.
Porter (C.B.) Co., Phila., Pa.
Ray (Geo. A.) Mfg. Co., Buffalo, N. Y.
Rochester Can Co., Rochester N. Y. "Iron Horse"
Savory, Inc., 591 Ferry, Newark, N. J.
Schlueter Mfg. Co., St. Louis, Mo.
Schuyler (W. S.) Mfg. Co., Springfield, O. (Filtering)
Sexton Can Co., Everett, Mass.
Stratton & Terstegge Co., Inc., Mfg. Div., Louisville, Ky. "Falls City"
United States Stamping Co., Moundsville, W. Va. (Vegetable & Medicine)
Vogel (Wm.) & Bros., 37 S. 9th, B'klyn, N. Y.
Weaver Mfg. Co., Springfield, Ill.
Western Metal Spinning Wks., Chicago, Ill.

FURNACE ASH RECEIVERS—See Receivers, Ash, Furnace

FURNACE AUTOMATIC FANS—See Fans, Furnace, Automatic

FURNACE CEMENT—See Cement, Furnace

FURNACE CHAINS—See Chains, Furnace

FURNACE CLOCKS—See Regulators, Furnace

FURNACE FITTINGS—See Pipe and Fittings, Furnace

FURNACE PIPE—See Pipe and Fittings, Furnace

FURNACE PIPE ELBOWS—See Elbows, Stove Pipe and Furnace Pipe

FURNACE REGULATORS—See Regulators, Furnace

FURNACE REPAIRS—See Repairs, Furnace

FURNACE SCOOPS—See Scoops, Furnace

FURNACE STOKERS—See Stokers, Home Furnace

FURNACES, Brazing—See Furnaces, Gasoline and Kerosene

FURNACES, Electricians'—See Furnaces, Gasoline and Kerosene

FURNACES and TORCHES, Gas, Gasoline and Kerosene

American Brass & Copper Co., 80 Lafayette, New York, N. Y.
Anthony Co., 138 West Av., Long Island City, N.Y. "Anthony Nebulyte"
Bernz (Otto) Co., Inc., Rochester, N. Y. "Always Reliable"
Clayton & Lambert Mfg. Co., Detroit, Mich. "Protection"
Detroit Torch & Mfg. Co., Detroit, Mich.
Diener (Geo. W.) Mfg. Co., Chicago, Ill. "Torrid"
Globe Gas Light Co., Boston, Mass. "Barthel"
Hauck Mfg. Co., 126 10th, B'klyn, N. Y.
Hempy-Cooper Mfg. Co., Kansas City, Mo.
Homer Furnace Co., Coldwater, Mich.
Hones (Charles A.), Inc., Baldwin, Long Island, N. Y. "Buzzer"
Huffman Mfg. Co., Dayton, O.
Johnson Gas Appliance Co., Cedar Rapids, Ia. (Soldering)
Kemp (C. M.) Mfg. Co., Baltimore, Md. "Climax"
Klein (Mathias) & Sons, 3200 Belmont Av., Chicago, Ill.
Niagara Mach. & Tool Wks., Buffalo, N. Y.
Otto (Wm. H.) Metal Goods Corp., 401 St. Pauls Av., Jersey City, N. J. "Khotal"
Pennsylvania Furnace & Iron Co., Warren, Pa.
Quadriga Mfg. Co., Chicago, Ill. "Walters"
Reliable Stove Co. Div., American Stove Co., Cleveland, O.
Rowell Mfg. Co., Appleton, Wis. "Newway" (Bottom-draw Furnaces)
Stratton & Terstegge Co., Inc., Mfg. Div., Louisville, Ky. "Falls City" (Charcoal) (Tinners)
Turner Brass Wks., Sycamore, Ill.
Unique Mfg. Co., Inc., Chicago, Ill.
Vaughan Machinery Co., Cuyahoga Falls, O.
Volcano Torch & Mfg. Co., Erie, Pa.
Wall (P.) Mfg. Supply Co., 3126-3166 Preble Av., Pittsburgh, Pa. "Dreadnaught"
Yost Mfg. Co., Meadville, Pa. (Furnace, Gas, Soldering)

FURNACES, Hot Air—See Furnaces, Warm Air

FURNACES, Kerosene—See Furnaces and Torches, Gas, Gasoline and Kerosene

FURNACES, Milling—See Furnaces and Torches, Gas, Gasoline and Kerosene

FURNACES, Parlor—See Stoves and Ranges, Coal and Wood

FURNACES, Pipeline

American Furnace Co., St. Louis, Mo. "Thermo"
Armstrong Furnace Co., Columbus, O. (Boiler Plate)
Baker Stove Wks., Belleville, Ill.
Brillion Furnace Co., Brillion, Wis.
Campbell Heating Co., Des Moines, Ia.
Caskey & Keen, Phila., Pa.
Chicago Air-Tight Stove Co., Chicago, Ill. "Vortex"
Co-operative Foundry Co., Rochester, N. Y. "Empire"
Cox (Abram) Co., Phila., Pa. "Novelty"
Cribben & Sexton Co., Chicago, Ill. "Universal"
Detroit-Michigan Stove Co., Detroit, Mich. "Garland," "Jewel," "Laurel"
East Penn Foundry Co., Macungie, Pa.
Excelsior Steel Furnace Co., Chicago, Ill.
Excelsior Stove & Mfg. Co., Quincy, Ill.
Fleck Bros. Co., Phila., Pa.
Fox Furnace Co., Elyria, O. "Sunbeam"
Hart Mfg. Co., Louisville, Ky.
Heckler Bros., Pittsburgh, Pa.
Hess Warming & Ventilating Co., Chicago, Ill.
Homer Furnace Co., Coldwater, Mich. "Eureka"
Hood Furnace & Supply Co., Corning, N. Y.
Hudson Boiler Mfg. Co., 1115 Hudson, Hoboken, N. J.
International Heater Co., Utica, N. Y.
Keeley Stove Co., Columbia, Pa. "Columbian"
Keystone Stove Foundry, Spring City, Pa.
Kruse & Dewenter Co., Indianapolis, Ind. "Monarch"
Marshall Furnace Co., Marshall, Mich. "Caloric," "Monitor"
Moore Bros. Co., Joliet, Ill.
Mueller (L. J.) Furnace Co., Milwaukee, Wis. "Convector"
Peninsular Stove Co., Detroit, Mich.
Quakertown Stove Wks., Quakertown, Pa.
Ravenna Furnace & Heating Co., Ravenna, O.
Richardson & Boynton Co., 244 Madison Av., New York, N. Y.
Round Oak Furnace Co., Dowagiac, Mich.
Rudy Furnace Co., Dowagiac, Mich.
Somerville Stove Wks., Somerville, N. J.
Standard Foundry & Furnace Co., DeKalb, Ill. "Challenge," "Hero," "Titan"
Summit Foundry Co., Geneva, N. Y.
Thatcher Co., 39 St. Francis, Newark, N. J. "Meteor"
Walker & Pratt Mfg. Co., Boston, Mass.
Williamson Heater Co., Cincinnati, O.
Wood & Bishop Co., Bangor, Me.

FURNACES, Plumbers'—See Furnaces and Torches, Gas, Gasoline and Kerosene

FURNACES, Soldering—See Furnaces and Torches, Gasoline and Kerosene

FURNACES, Soldering, Tempering, Annealing, Case-Hardening, Metal Melting

Coleman Lamp & Stove Co., Wichita, Kan.
Johnson Gas Appliance Co., Cedar Rapids, Ia.
Rockwell (W. S.) Co., 50 Church, New York, N. Y.
Stark Tool Co., Waltham, Mass. "Electroblast"
Turner Brass Wks., Sycamore, Ill.

FURNACES, Time Switch Regulators for
(See also Regulators, Furnace)

Tillery's Little Janitor Clock Co., 55 Orchard, Newark, N. J. "Little Janitor"

FURNACES, Tinners'—See Furnaces, Gasoline and Kerosene

FURNACES, Warm Air

Agricola Furnace Co., Inc., Gadsden, Ala. "Wizard"
American Foundry & Furnace Co., Bloomington, Ill. "Lincoln"
American Furnace Co., St. Louis, Mo. "Afco," "Thermo"
American Furnace & Foundry Co., Milan, Mich.
Andes Range & Furnace Corp., Geneva, N. Y.
Arcweld Mfg. Co., Seattle, Wash.
Armstrong Furnace Co., Columbus, O.
Armstrong Stove & Mfg. Co., Perryville, Md.
Barstow Stove Co., Providence, R. I.
Bayer (J. C.) Furnace Co., Portland, Ore.
Bergstrom Mfg. Co., Neenah, Wis. "Emperor"
Bovee Furnace Wks., Waterloo, Ia.
Boynton Furnace Co., 373 4th Av., New York, N.Y.
Brillion Furnace Co., Brillion, Wis.
Bryant Heater & Mfg. Co., Cleveland, O.
Buckwalter Stove Co., Royersford, Pa. "Solar Eclipse"
Buffalo Co-operative Stove Co., Buffalo, N. Y. "Amherst"
Burdett, Smith & Co., Troy, N. Y.

FURNACES, Warm Air (Continued)

Campbell Heating Co., Des Moines, Ia.
Chicago Down Draft Furnace Co., Chicago, Ill.
Cleveland Co-operative Stove Co., Cleveland, O. "Grand"
Columbus Furnace Corp., Columbus, O.
Comstock-Castle Stove Co., Quincy, Ill. "Castle-Economy"
Co-operative Foundry Co., Rochester, N. Y. "Ajax," "Empire," "Red Cross"
Cox (Abram) Co., Phila., Pa. "Novelty"
Culter & Proctor Stove Co., Peoria, Ill.
Danville Stove & Mfg. Co., Danville, Pa. "Beaver"
Detroit-Michigan Stove Co., Detroit, Mich. "Garland," "Jewel," "Laurel"
Edwards Furnace Co., Wellsboro, Pa.
Enterprise Foundry Co., Rochester, N. Y. "All Cast Val-U"
Estate Stove Co., Hamilton, O. "Heatrola"
Excelsior Steel Furnace Co., Chicago, Ill.
Excelsior Stove & Mfg. Co., Quincy, Ill. "National"
Farquhar Furnace Co., Wilmington, O. (Automatic)
Farris Furnace Co., Springfield, Ill.
Favorite Stove & Range Co., Piqua, O. "Boiler Plate," "Hermetic"
Floyd-Wells Co., Royersford, Pa. "Bengal," "Tiger"
Forest City Foundries Co., Cleveland, O. "Monarch," "Niagara"
Fox Furnace Co., Elyria, O. "Sunbeam"
Fuller-Warren Co., Inc., Milwaukee, Wis. "Stewart"
Fuller & Warren Co., Troy, N. Y.
Galusha Stove Co., Inc., Rochester, N. Y. "Norman Phoenix"
Gem City Stove Co., Dayton, O. "Clermont"
Gem City Stove Mfg. Co., Quincy, Ill.
Germer Stove Co., Erie, Pa.
Glenwood Range Co., Taunton, Mass.
Gohmann Bros. & Kahler Co., New Albany, Ind.
Graff Furnace Co., 116 Wooster, New York, N. Y. "Faultless"
Green (M. A.) & Co., Bridgeport, Conn. "Culver"
Green Foundry & Furnace Wks., Des Moines, Ia.
Hall-Neal Furnace Co., Indianapolis, Ind. "Victor"
Hart & Crouse Co., Utica, N. Y.
Heating System Corp., Joliet, Ill.
Henry Furnace & Foundry Co., Cleveland, O. "Moncrief"
Hess-Snyder Co., Massillon, O. "Boomer"
Hess Warming & Ventilating Co., Chicago, Ill.
Holland Furnace Co., Holland, Mich.
Home Furnace Co., Holland, Mich.
Home Stove Co., Indianapolis, Ind.
Homer Furnace Co., Coldwater, Mich. "Eureka," "Grand," "Steel King"
Hood Furnace & Supply Co., Corning, N. Y. "Cheerful Home," "Cottage Home," "Lessmoke," "New Home," "Our Home"
Ideal Furnace Co., Detroit, Mich.
Independence Stove & Furnace Co., Independence, Mo.
International Heater Co., Utica, N. Y. "Baronet," "Carton," "Count," "Duke," "Earl," "Princess"
Kalamazoo Stove Co., Kalamazoo, Mich.
Kansas City Furnace Co., Kansas City, Mo. "Ideal King"
Keeley Stove Co., Columbia, Pa. "Columbian"
Keith Furnace Co., Des Moines, Ia.
Keystone Stove Foundry, Spring City, Pa.
Koons Furnace Co., Danville, Ill.
Kruse Co., Indianapolis, Ind.
Lang (F. S.) Mfg. Co., Seattle, Wash.
Langenberg Mfg. Co., St. Louis, Mo.
Lennox Furnace Co., Marshalltown, Ia. "Equator," "Torrid Zone"
Leonard & Baker Stove Co., Taunton, Mass.
MaGirl (P. H.) Foundry & Furnace Wks., Bloomington, Ill.
Majestic Co., Huntington, Ind. "Regiseat"
Mannen (John E.) Co., Cleveland, O. "Manest"
Maple City Furnace Co., Monmouth, Ill. "Black Diamond"
Marshall Furnace Co., Marshall, Mich. "Caloric," "Monitor"
May-Fiebeger Furnace Co., Newark, O.
Meyer Furnace Co., Peoria, Ill. "SuperB," "Weir"
Midland Furnace Co., Columbus, O.
Miller (Wm.) Range & Furnace Co., Cincinnati, O.
Mission Foundry & Stove Wks., San Francisco, Cal.
Moncrief Furnace Co., Atlanta, Ga.
Montag Stove Wks., Portland, Ore.
Moore Bros. Co., Joliet, Ill.
Motor Wheel Corp., Lansing, Mich. "Piatt"
Mount Penn Stove Wks., Reading, Pa.
Mt. Vernon Furnace & Mfg. Co., Mt. Vernon, Ill.
Mueller (L. J.) Furnace Co., Milwaukee, Wis.
Munson-McCairns Htg. & Foundry Co., Connellsville, Pa.
Oakland Foundry Co., Belleville, Ill. "Z-Ro"
Orbon Stove Co., Belleville, Ill.
Patric Furnace Co., Springfield, O.
Patterson & Stirling, Erie, Pa.
Payne Furnace & Supply Co., Beverly Hills, Cal.
Peninsular Stove Co., Detroit, Mich.
Pennsylvania Furnace & Iron Co., Warren, Pa.
Perfection Stove Co., 7609 Platt Av., Cleveland, O. "Superflex" (Fuel Oil)
Philadelphia Stove & Iron Fdry. Co., Phila., Pa.
Phillips Heating, Ventilating & Mfg. Co., Los Angeles, Cal. "Browne"
Pittston Stove Co., Pittston, Pa. "Lehigh"
Portland Stove Foundry Co., Portland, Me.
Pottsville Foundry & Stove Co., Pottsville, Pa. "Derr"
Premier Warm Air Heater Co., Dowagiac, Mich. "De Luxe Premier"
Prizer-Painter Stove Co., Reading, Pa.
Quaker Mfg. Co., Chicago, Ill.
Quakertown Stove Wks., Quakertown, Pa.
Ravenna Furnace & Heating Co., Ravenna, O.
Reznor Mfg. Co., Mercer, Pa.
Richardson & Boynton Co., 244 Madison Av., New York, N. Y. "Perfect"
Richmond Radiator Co., 1480 B'way, New York, N. Y.
Ridgway Furnace Co., Boston, Mass.
Rock Island Stove Co., Rock Island, Ill. "Riverside"
Roper (Geo. D.) Corp., Rock Island, Ill.
Round Oak Furnace Co., Dowagiac, Mich. "Moistair Blended Iron," "Moistair Boiler Plate," "Moistair De Luxe"
Rudy Furnace Co., Dowagiac, Mich.
Ruhmann, G. E., Schulenburg, Tex.
Rybolt Heater Co., Ashland, O.
St. Louis Heating Co., St. Louis, Mo.
Schill Mfg. Co., Crestline, O. "Buckeye King," "New Idea," "Schill's Cozy," "Schill's New Steel"
Sheppard (Isaac A.) Co., Baltimore, Md. "Excelsior"
Simons-Leedle Co., Marshall, Mich. "Dobbins"
Somerville Stove Wks., Somerville, N. J. "Magic Service"
Spear (James) Stove & Heating Co., Phila., Pa.
Stamford Foundry Co., Stamford, Conn.
Standard Fdry. & Furnace Co., DeKalb, Ill.
Stanton Heater Co., Martins Ferry, O.
Steiger & Kerr Stove & Foundry Co., San Francisco, Cal.
Stratton & Terstegge Co., Inc., Mfg. Div., Louisville, Ky. "Louisville," "Monarch"
Success Heater Mfg. Co., Des Moines, Ia.
Summit Foundry Co., Geneva, N. Y.
Surface Combustion Corp., Toledo, O.
Taplin-Rice-Clerkin Co., Akron, O. "Climax"
Thatcher Co., 39 St. Francis, Newark, N. J.
Thiele (L. C.) Co., Indianapolis, Ind.
Tubular Heating & Ventilating Co., Phila., Pa. "Forbes"
Union Stove Wks., 70 Beekman, New York, N. Y. "Astor," "Paragon," "Storm King"
Unit Stove & Furnace Co., Birmingham, Ala.
Walker & Pratt Mfg. Co., Boston, Mass. "Crawford"
Washington Stove Wks., Everett, Wash. "Olympic"
Waterman-Waterbury Co., Minneapolis, Minn.
Western Steel Products Co., Duluth, Minn.
White-Warner Co., Taunton, Mass.
Williamson Heater Co., Cincinnati, O. "Peck-Hammond"
Wise Furnace Co., Akron, O. (Gas or Coal)
Wood & Bishop Co., Bangor, Me.
Yost Furnace Co., Canton, O.

FURNITURE—See article desired

FURNITURE BRACES—See Braces, Chair and Bed

FURNITURE BUTTS—See Butts, Furniture

FURNITURE CASTERS—See Casters, Bed and Furniture, also Casters, Sliding

FURNITURE CEMENT—See Cement, Furniture

FURNITURE, Children's

American-Acme Co., Emigsville, Pa.
American-National Co., Toledo, O.
Appleton Toy & Furniture Co., Appleton, Wis.
Burrowes (E. T.) Co., Portland, Me.
Carriage & Toy Co., Baltimore, Md.
Cass (N. D.) Co., Athol, Mass.
Chicago Wire Chair Co., Chicago, Ill.
Converse-Mason Corp., Winchendon, Mass.
Eastman Mfg. Co., Union City, Pa.
Excelsior Co., Columbus, O.
Garton Toy Co., Sheboygan, Wis.
Gendron Wheel Co., Toledo, O. (Desks)
Gould Mfg. Co., Toy Div., Oshkosh, Wis. "Toddler"
Hemp & Co., Corp., St. Louis, Mo.
Heywood-Wakefield Co., Boston, Mass.
Hoge Mfg. Co., Inc., 23 E. 21st, New York, N. Y.
Jamison (Robert W.) Mfg. Co., Los Angeles, Cal.
Mansfield Novelty Co., Mansfield, Pa.
Mason Mfg. Co., South Paris, Me.
Metropolitan Chair Co., Hartford, Conn.
Paris Mfg. Co., South Paris, Me.
Readsboro Chair Co., Readsboro, Vt.
Royal Metal Mfg. Co., Chicago, Ill.
Schoenhut (A.) Co., Phila., Pa.
Smith (S. A.) Mfg. Co., Brattleboro, Vt.
South Bend Toy Mfg. Co., South Bend, Ind.
South Tamworth Industries, Inc., South Tamworth, N. H.
Tennessee Red Cedar & Novelty Co., Chattanooga, Tenn.
Toledo Metal Wheel Co., Toledo, O. "Blue Streak"
Toy Company of America, Appleton, Wis.
Toytown Mfg. Co., Minneapolis, Minn.
White (H. C.) Co., North Bennington, Vt. "Kiddie"
Whitney Reed Corp., Leominster, Mass.

FURNITURE, Doll and Toy

American Colortype Co., Chicago, Ill. (Paper)
Arcade Mfg. Co., Freeport, Ill.
Cannon (Florence V.) Co., Camden, N. J.
Cass (N. D.) Co., Athol, Mass.
Collette Mfg. Co., Amsterdam, N. Y.
Converse-Mason Corp., Winchendon, Mass.
Dan-D Mfg. Co., Dayton, O.
Excelsior Co., Columbus, O.
Little Giant Toy Co., West Brookfield, Mass.
Madmar Quality Co., Utica, N. Y.
Mason Mfg. Co., South Paris, Me.
Payne, A. S., Inc., North Bennington, Vt.
Schoenhut (A.) Co., Phila., Pa.
Sheboygan Coaster & Wagon Wks., Sheboygan, Wis.
Toy Company of America, Appleton, Wis.
Toy Tinkers, Inc., Evanston, Ill.
Wilder Mfg. Co., St. Louis, Mo.

FURNITURE, Garden, Lawn and Porch

Aird & Mallory, Greenbush, Mich.
Albano Co., Inc., 306 E. 47th, New York, N. Y.
Altoona Concrete Products Co., Altoona, Pa. (Stone)
American Steel Furniture Co., 27 W. 24th, New York, N. Y. (Stainless Steel)
Anchor Post Fence Co., Baltimore, Md.
Appleton Toy & Furniture Co., Appleton, Wis.
Artcrete Products Co., Upper Darby, Pa. (Stone)
Badger Wire & Iron Wks., Milwaukee, Wis.
Bailie Wickercraft, Somerville, Mass.
Boyle Mfg. Co., Inc., Los Angeles, Cal.
Buffalo Wire Wks., Buffalo, N. Y.
Carr & Young Co., Des Moines, Ia.
Chicago Granitine Mfg. Co., Chicago, Ill. (Stone)
Cleveland Quarries Co., Cleveland, O. (Stone)
Davis & Siehl Co., Cincinnati, O.
Everwear Mfg. Co., Springfield, O.
Express Body Corp., Crystal Lake, Ill.
Fiske (J. W.) Iron Wks., 107 Park Pl., New York, N. Y.
Forbes Mfg. Co., Hopkinsville, Ky.
Francini, Ceasar, 2 W. 46th, New York, N. Y.
Frank & Son, Inc., 160 5th Av., New York, N. Y.
Gold Medal Folding Furniture Co., Racine, Wis.
Goshen Churn & Ladder Co., Goshen, Ind.
Goshen Mfg. Co., Goshen, Ind.
Graham Mfg. Co., Franklin, Ind.
Graham (Thos.) & Co., Inc., Madison, Ind.
Heywood-Wakefield Co., Boston, Mass.
Hoosier Hickory Mfg. Co., Terre Haute, Ind.
Howell Co., Geneva, Ill.
Huttig Sash & Door Co., St. Louis, Mo.
Indiana Hickory Furniture Co., Colfax, Ind.
Jamison (Robert W.) Mfg. Co., Los Angeles, Cal.
Lehman Co. of America, Cannelton, Ind.
Lloyd Mfg. Co., Menominee, Mich.
Logan Co., Louisville, Ky.
Mahoney Chair Co., Gardiner, Mass.
Mershon-Eddy-Parker Co., Saginaw, Mich.
Meyers (Fred J.) Mfg. Co., Hamilton, O.
Michigan Wire Goods Co., Niles, Mich. "Realax"
Moulton Ladder Mfg. Co., Somerville, Mass.
Nappanee Lumber & Mfg. Co., Nappanee, Ind.
Nichols & Stone, Gardiner, Mass.
Norris, J. Frank, Rochester, N. Y. (Stone)
North Vernon Lumber Mills, No. Vernon, Ind.
Norwood, Calef & Co., Keene, N. H.
Old Hickory Furniture Co., Martinsville, Ind.
Pratt Mfg. Co., Coldwater, Mich.
Rastetter (Louis) & Sons, Fort Wayne, Ind.
Rich Pump & Ladder Co., Cincinnati, O.
Rustic Hickory Furniture Co., LaPorte, Ind.
Selden Mfg. Co., Palatka, Fla.
Sheboygan Chair Co., Sheboygan, Wis.
Smith (F. P.) Wire & Iron Wks., Chicago, Ill.
Snow (W. A.) Iron Wks., Inc., Boston, Mass.
Sprague & Carleton, Inc., Keene, N. H.
Steinfeld, Inc., 11 E. 26th, New York, N. Y.
Stewart Iron Wks. Co., Inc., 814 Stewart Blk., Cincinnati, O.
Sun Mfg. Co., Columbus, O.
Superior Ladder Co., Goshen, Ind.
Sweet (A. L.) Iron Wks., Medina, N. Y.
Telescope Folding Furniture Co., Inc., Granville, N. Y.
Torrington Specialty Co., Torrington, Conn.
Troy Sunshade Co., Troy, O.
Trusswall Slone Co., Wichita, Kan.
Tucker Duck & Rubber Co., Fort Smith, Ark.
Unadilla Silo Co., Unadilla, N. Y.
White (H. C.) Co., North Bennington, Vt.
Young (J. O.) Co., Springfield, Mass.
Ypsilanti Reed Furniture Co., Ionia, Mich.

FURNITURE GLIDERS—See Gliders, Furniture

FURNITURE KNOBS—See Knobs, Furniture

FURNITURE, Novelty, Unpainted

Dearborn Co., Chicago, Ill.
Excelsior Co., Columbus, O.
Express Body Corp., Crystal Lake, Ill.
Frank & Son, Inc., 160 5th Av., New York, N. Y.
Geneva Mfg. Co., Geneva, Ill.
Krebs, Stengel & Co., 38 E. 32nd, New York, N. Y.
Kuchins Furniture Mfg. Co., Grand Rapids, Mich.
Leavens (William) & Co., Inc., Boston, Mass.
Metropolitan Chair Co., Hartford, Conn.
North Vernon Lumber Mills, North Vernon, Ind.
Peerless Specialty Mfg. Co., Inc., Lowell, Mass.
Sun Glow Industries, Inc., Mansfield, O.

FURNITURE OILS—See Polishes, Automobile, Furniture, Etc.

FURNITURE PADS—See Pads, Furniture

FURNITURE POLISHES—See Polishes, Automobile, Furniture, Etc.

FURNITURE POLISHING MITTENS—See Mittens, Polishing

FURNITURE SHOES—See Slides, Furniture

FURNITURE SLIDES—See Slides, Furniture

FURNITURE SPRINGS—See Springs, Upholstering

FURNITURE TIGHTENERS—See Tighteners, Furniture

FURNITURE TIPS, Felt—See Tips, Furniture, Felt

FURNITURE TRIMMINGS—See Cabinet Hardware

FUSE, Blasting

Atlas Powder Co., Wilmington, Del.
Blights Son & Co., Eagle River, Mich.
Coast Mfg. & Supply Co., Livermore, Cal.
Ensign-Bickford Co., Simsbury, Conn.
Excelsior Powder Mfg. Co., Kansas City, Mo.
Giant Powder Co., San Francisco, Cal.
Hercules Powder Co., Inc., Wilmington, Del.
National Fuse & Powder Co., Denver, Col.
Western Cartridge Co., East Alton, Ill.

FUSE PLUGS—See Plugs, Fuse

FUSE LIGHTERS—See Lighters, Fuse

FUSES, Electric

Arrow-Hart & Hegeman Electric Co., Hartford, Conn.
Bryant Elec. Co., Bridgeport, Conn. "Hemco"
Bussmann Mfg. Co., St. Louis, Mo. "Buss"
D. & W. Fuse Div., General Electric Co., Bridgeport, Conn.
Daum Fuse & Electric Mfg. Co., Pittsburgh, N. S., Pa.
Eagle Electric Mfg. Co., 59 Hall, B'klyn, N. Y.
Economy Fuse & Mfg. Co., Chicago, Ill.
Federal Electric Co., Chicago, Ill. "National Renewable"
General Electric Co., Schenectady, N. Y. "D & W"
Jefferson Electric Co., Bellwood, Ill. "Gem," "Union"
Killark Electric Mfg. Co., St. Louis, Mo. (Automobile)
Kirkman Eng. Corp., 1 Dominick, New York, N. Y. "K-E"
Trico Fuse Mfg. Co., Milwaukee, Wis. "Clear Top," "Colortop," "Kantark"
Weber Electric Co., Schenectady, N. Y.

GAFFS, Fish Landing

Laughlin (Thos.) Co., Portland, Me.
Norlund (O. A.) Co., Williamsport, Pa. "Pike Jaw"
Richardson Rod & Reel Co., Chicago, Ill. "Good Luck," "Harrimac"
Shakespeare Co., Kalamazoo, Mich.

GAGE GLASS CUTTERS—See Cutters, Glass, Gage

GAGE GLASSES—See Glasses, Gage

GAGES, Bit, Auger

Cincinnati Tool Co., Montgomery Rd., Cincinnati, O. "Hargrave"
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Stanley Wks., New Britain, Conn.
Stearns (E. C.) & Co., Syracuse, N. Y.
Swan (Jas.) Co., Seymour, Conn.

GAGES, Caliper

Almond (T. R.) Mfg. Co., Ashburnham, Mass.
Brown & Sharpe Mfg. Co., Providence, R. I.
Johnson (E. P.) Rule Mfg. Co., Chicago, Ill.
Lufkin Rule Co., Saginaw, Mich.
Morse Twist Drill & Mach. Co., New Bedford, Mass.
Pratt & Whitney Co., Hartford, Conn.
Rogers (John M.) Wks., Gloucester City, N. J.
Starrett (L. S.) Co., Athol, Mass.
Williams (J. H.) & Co., Buffalo, N. Y.

GAGES, Carpenters'

Caldwell Mfg. Co., Rochester, N. Y. "Handy"
Chapin-Stephens Co., Pine Meadow, Conn. "C-S Co."
Disston (Henry) & Sons, (Tacony), Phila., Pa.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Stanley Wks., New Britain, Conn.

GAGES, Center

Brown & Sharpe Mfg. Co., Providence, R. I.
Lufkin Rule Co., Saginaw, Mich.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Starrett (L. S.) Co., Athol, Mass.
Union Tool Co., Orange, Mass.

GAGES, Circumference

Lufkin Rule Co., Saginaw, Mich.

GAGES, Depth

Brown & Sharpe Mfg. Co., Providence, R. I.
Livingston Co., Rockland, Me. (Stone Cutting)
Lufkin Rule Co., Saginaw, Mich.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Starrett (L. S.) Co., Athol, Mass.
Union Tool Co., Orange, Mass.

GAGES, Draw Knife

Swan (James) Co., Seymour, Conn.

GAGES, Drill

Brown & Sharpe Mfg. Co., Providence, R. I.
Cincinnati Tool Co., Montgomery Rd., Cincinnati, O. "Hargrave"
Federal Products Corp., Providence, R. I.
Morse Twist Drill & Mach. Co., New Bedford, Mass.
Pratt & Whitney Co., Hartford, Conn.
Standard Tool Co., Cleveland, O.
Starrett (L. S.) Co., Athol, Mass.
Stearns (E. C.) & Co., Syracuse, N. Y. "Stearns Ecsco"
Whitman & Barnes, Inc., Detroit, Mich.

GAGES, Drill Grinding

Lufkin Rule Co., Saginaw, Mich.

GAGES, Height

Lufkin Rule Co., Saginaw, Mich.

GAGES, Jobbers' Drill—See Gages, Drill

GAGES, Micrometer

Almond (T. R.) Mfg. Co., Ashburnham, Mass.
Ames (B. C.) Co., Waltham, Mass.
Brown & Sharpe Mfg. Co., Providence, R. I.
Lufkin Rule Co., Saginaw, Mich.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Olsen (Tinius) Testing Mach. Co., Phila., Pa.
Reed Small Tool Wks., Worcester, Mass.
Slocomb (J. T.) Co., Providence, R. I.
Starrett (L. S.) Co., Athol, Mass.
Waltham Dial Gage Co., Waltham, Mass.

GAGES, Radius

Lufkin Rule Co., Saginaw, Mich.

GAGES, Saw

Atkins (E. C.) & Co., Indianapolis, Ind.
Beach Mfg. Co., Montrose, Pa.
Disston (Henry) & Sons, (Tacony), Phila., Pa.
Prouty (C.) & Co., Eldred, Pa.
Sandvik Saw & Tool Corp., Minneapolis, Minn. "Sandvik" (Imported)
Simonds Saw & Steel Co., Fitchburg, Mass.
Smith (H. B.) Mach. Co., Smithville, N. J.

GAGES, Screw

Almond (T. R.) Mfg. Co., Ashburnham, Mass.
Brown & Sharpe Mfg. Co., Providence, R. I.
Greenfield Tap & Die Corp., Greenfield, Mass. "G T D"
Lufkin Rule Co., Saginaw, Mich.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Pratt & Whitney Co., Hartford, Conn.
Sheffield Mach. & Tool Co., Dayton, O.
Starrett (L. S.) Co., Athol, Mass.
Union Tool Co., Orange, Mass.
Wood & Spencer Co., Cleveland, O. "Snap"

GAGES, Sheet Metal and Wire
(See also Gages, Micrometer)

Brown & Sharpe Mfg. Co., Providence, R. I.
Cleveland Twist Drill Co., Cleveland, O.
Disston (Henry) & Sons, (Tacony), Phila., Pa.
Federal Products Corp., Providence, R. I.
Novelty Electric Co., Phila., Pa.
Pratt & Whitney Co., Hartford, Conn.
Slocomb (J. T.) Co., Providence, R. I.
Starrett (L. S.) Co., Athol, Mass.
Vulcan Hdw. Co., Carlstadt, N. J.

GAGES, Surface

Brown & Sharpe Mfg. Co., Providence, R. I. "Universal"
Lufkin Rule Co., Saginaw, Mich.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Starrett (L. S.) Co., Athol, Mass.
Union Tool Co., Orange, Mass.

GAGES, Telescoping

Lufkin Rule Co., Saginaw, Mich.

GAGES, Thickness

Almond (T. R.) Mfg. Co., Ashburnham, Mass.
Automotive Manufacturers, Inc., 569 B'way, New York, N. Y.
Brown & Sharpe Mfg. Co., Providence, R. I.
Central Auto Ignition Co., Chicago, Ill.
Consolidated Ashcroft Hancock Co., Inc., 100 E. 42nd, New York, N. Y.
Federal Products Corp., Providence, R. I.
Improved Gauge Mfg. Co., Syracuse, N. Y.
Klopp Engineering Works, Detroit, Mich.
Lufkin Rule Co., Saginaw, Mich.
Mechanics Tool & Wrench Co., Greenfield, Mass.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Milwaukee Tool & Forge Co., S. Milwaukee, Wis.
Precision Thermometer & Instrument Co., Phila., Pa.
Randall, Frank E., Waltham, Mass.
Starrett (L. S.) Co., Athol, Mass.
Union Tool Co., Orange, Mass.

GAGES, Thread—See Gages, Screw

GAGES, Tire Pressure

American Sanitary Lock Co., Indianapolis, Ind. "Pop-Off"
Autoquip Mfg. Co., Inc., Rochester, N. Y.
Dill Mfg. Co., Cleveland, O.
Edelmann (E.) & Co., Chicago, Ill.
Griest Mfg. Co., New Haven, Conn. "Econ-O-Cap," "Test-O-Cap"
Hill Pump Valve Co., Chicago, Ill. "Pneu-Meter"
Improved Gauge Mfg. Co., Syracuse, N. Y.
Moto-Meter Gauge & Equipment Corp., Toledo, O.
Schrader's (A.) Son, 470 Vanderbilt Av., B'klyn, N. Y.
United States Gauge Co., 44 Beaver, New York, N. Y. "Invincible"

GAGES, Twist Drill—See Gages, Drill

GAGES, Water

American Injector Co., Detroit, Mich.
Buckeye Iron & Brass Wks., Dayton, O.
Consolidated Ashcroft Hancock Co., Inc., 100 E. 42nd, New York, N. Y.
Crane Co., Chicago, Ill.
Detroit Lubricator Co., Detroit, Mich.
Durst Mfg. Co., 468 B'way, New York, N. Y.
General Brass Co., Detroit, Mich.
Nason Mfg. Co., 71 Fulton, New York, N. Y.
Reliance Gauge Column Co., Cleveland, O.
Stulp, Fred J., Muskegon, Mich.
Thompson Mfg. Co., Los Angeles, Cal.
Walworth Co., Statler Bldg., Boston, Mass.

GAGES, Wire—See Gages, Sheet Metal and Wire; also Gages, Drill

GAGING RODS—See Rods, Barrel Gaging and Wantage

GALVANIZED BASKETS—See Baskets, Galvanized

GALVANIZED BOLTS—See Bolts, Galvanized

GALVANIZED CORNICES—See Cornices, Galvanized

GALVANIZED IRON MEASURES—See Measures, Iron, Galvanized

GALVANIZED IRON TUBS—See Tubs, Iron, Galvanized

GALVANIZED NAILS—See Nails, Galvanized

GALVANIZED PAILS—See Pails, Galvanized

GALVANIZED RIDGE ROLLS—See Rolls, Ridge

GALVANIZED RIVETS—See Rivets, Galvanized

GALVANIZED SHEETS—See Sheets, Galvanized

GALVANIZED STEEL TANKS—See Tanks, Steel, Galvanized

GALVANIZED WARE—See Ware, Galvanized

GALVANIZED WASHERS—See Washers, Galvanized

GALVANIZED WIRE—See Wire, Plain and Galvanized

GALVANIZED WIRE CLOTH—See Cloth, Wire, Black, Brass, Bronze, Copper, Galvanized, Etc.

GAME BAGS—See Bags, Game

GAME BOARDS—See Boards, Game

GAME BOARDS, Checkers and Backgammon—See Boards, Checker and Backgammon

GAME BOARDS, Cribbage—See Boards, Cribbage Game

GAMES and TOYS—See article desired

GAMES, Bean Bag

Carrom Co., Ludington, Mich.
Draper-Maynard Co., Plymouth, N. H.
Parker Bros., Salem, Mass.
Wilder Mfg. Co., St. Louis, Mo.

GAMES, Bowling, Toy

Arcade Mfg. Co., Freeport, Ill.
Brinkman Engineering Co., Dayton, O.
Cass (N. D.) Co., Athol, Mass.
Converse-Mason Corp., Winchendon, Mass.
Mason Mfg. Co., South Paris, Me.
Phenix Mfg. Co., Milwaukee, Wis.
Schoenhut (A.) Co., Phila., Pa.
Turner & Seymour Mfg. Co., Torrington, Conn. "Ta-Bowl"

GAMES, Card

Educational Card & Game Corp., 128 W. 31st, New York, N. Y.
Flinch Card Co., Kalamazoo, Mich.
Model Printing Co., Glenside, Pa.
Parker Bros., Salem, Mass.
Standard Playing Card Co., Chicago, Ill.
United States Playing Card Co., Cincinnati, O.

GAMES, Checker and Backgammon
(See also Boards, Checker and Backgammon)

Bogert & Hopper, 223 Varick, New York, N. Y.
Bradley (Milton) Co., Springfield, Mass.
Embossing Co., Albany, N. Y.
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Halsam Products Co., Inc., Chicago, Ill.
Newton-Thompson Co., Brandon, Vt.
Parker Bros., Salem, Mass.
Scranton Button Co., Scranton, Pa.
Waterbury Button & Mfg. Co., Waterbury, Conn.

GAMES, Chess—See Chessmen; also Boards, Chess

GAMES, Crokinole—See Games, Carrom

GAMES, Croquet

Bogert & Hopper, 223 Varick, New York, N. Y.
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Garton Toy Co., Sheboygan, Wis. "Eclipse"
Parker Bros., Salem, Mass.
Rademaker (H.) & Sons, Grand Rapids, Mich.
Roy Bros., East Barney, Vt.
South Bend Toy Mfg. Co., South Bend, Ind. "Standard"
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Sun Specialty Co., Rockford, Ill.

GAMES, Dominoes—See Dominoes

GAMES, Educational

Educational Card & Game Corp., 128 W. 31st, New York, N. Y.
Gilbert, (A. C.) Co., New Haven, Conn.
Parker Bros., Salem, Mass.
Root (A. I.) Co., Medina, O.
United States Playing Card Co., Park Av., Cincinnati, O.
Weinthrop Co., Chicago, Ill.

GAMES, Golf, Toy

Backus Novelty Co., Smethport, Pa.
Beckley-Ralston Co., Chicago, Ill. "Stroke Saver" (Putting Traps)
Fox Co., Phila., Pa. "Kumbak"
Gibbs Mfg. Co., Canton, O.
Gong Bell Mfg. Co., East Hampton, Conn. "Tumble Golf"
LaVelle Mfg. Co., New Haven, Conn.
Schode Mfg. Co., 38 Warburton Av., Yonkers, N. Y. "Rotary Golf"
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Sun Specialty Co., Rockford, Ill. "Tee-Zee"
Toy Tinkers, Inc., Evanston, Ill. "Casino Golf"

GAMES, Unclassified
(See also other Headings under Games)

Ace Mfg. Co., Milwaukee, Wis.
Air-Fed Mfg. Co., Quincy, Ill. (Radio Baseball)
All Fair, Inc., Churchville, N. Y.
Animate Toy Co., 200 5th Av., New York, N. Y. (Moving Bug)
Apex Mfg. Co., Norristown, Pa. (Dart)
Arcade Mfg. Co., Freeport, Ill. (Shooting Gallery)
Baker (W. J.) Co., Newport, Ky. (Base Ball)
Ball (A.) & Bro., Chicago, Ill.
Bechter Game Co., Independence, Ia.
Benner Mfg. Co., Lancaster, Pa. "Tabola"
Bogert & Hopper, 223 Varick, New York, N. Y. (Wooden)
Bradley (Milton) Co., Springfield, Mass.
Bridge Golf Co., Boston, Mass.
Brinkman Engineering Co., Dayton, O.
Brown & Kearney Mfg. Co., Warsaw, N. Y.
Brunswick-Balke-Collender Co., Chicago, Ill. (Shuffle Boards)
Bull-Eye Pistol Mfg. Co., Rawlings, Wyo. (Target Practice)
Burrowes (E. T.) Co., Portland, Me.
Carrom Co., Ludington, Mich. "Archarena" (Shuffle Board)
Cass (N. D.) Co., Athol, Mass.
Chicago Toy House, Chicago, Ill. "Pokerette"
Childs (S. D.) & Co., Chicago, Ill. "Spin-Win"
Conestoga Corp., Bethlehem, Pa. "Big-Bang" (Lasso Game)
Dayton Toy & Specialty Co., Dayton, O. (Ring Toss)
Dixtoy, Inc., Canton, O.
Durable Toy & Novelty Co., 215 4th Av., New York, N. Y. (Radio Questionnaire)
Educational Card & Game Corp., 128 W. 31st, New York, N. Y.
Embossing Co., Albany, N. Y. (Anagrams)
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y. (Wooden)
Eyles Mfg. Co., Chicago, Ill. "Pokerette"
Flinch Card Co., Kalamazoo, Mich.
Fuld, Wm., Baltimore, Md.
Gabriel (Saml.) Sons & Co., 74 5th Av., New York, N. Y. (Kindergarten)
Gibbs Mfg. Co., Canton, O. "Bang-Ball"
Goldsmith's (P.) Sons Co., Cincinnati, O.
Good Deeds Novelty Co., Chicago, Ill.
Hance Mfg. Co., Westerville, O. "All American"
Hattan Co., Kansas City, Mo. (Basket Ball)
Hoge Mfg. Co., Inc., 23 E. 21st, New York, N. Y. "Little Marksman"
Hustler Toy Corp., Sterling, Ill.
Jones (Paul A.) Co., Jonesville, Mich. "Skilscale" (Shuffle Board)
Kilgore Mfg. Co., Westerville, O. "Sally Ann" (Jax Set)
Kingston Products Corp., Kokomo, Ind.
Knapp Elec., Inc., Portchester, N. Y. (Questioner)
LaVelle Mfg. Co., New Haven, Conn.
Lubbers & Bell Mfg. Co., Clinton, Ia. "Blox-O"
McDowell Mfg. Co., Pittsburgh, Pa. "Mac" (Aeroplane Race) (Air Mail) (Hor-Shoo) (Jungle Race) (Mystery Gun) (Putting Green)
McVey, John Jos., Phila., Pa.
Mallory (P. R.) & Co., Indianapolis, Ind. "Krazy Ikes," "Tell Bell"
Marbelite Co., Wallingford, Conn. "Bunco"
Maxim's Products Corp., Boston, Mass. (Baseballs)
Meilicke Systems, Inc., Chicago, Ill. (Indoor Golf)
Mordt Co., Chicago, Ill. "Toss-a Ring Jr," "Toss-a Ring Sr"
Moss & Harrison, 40 E. 21st, New York, N. Y. "Feather Fun"
Parker Bros, Salem, Mass. "Camelot," "Flinch," "Lotto," "Parlor," Ping Pong," "Pit," "Polly Anna," "Rook," "Rope Toss"
Pioneer Pole & Shaft Co., Memphis, Tenn.
Porter Chemical Co., Hagerstown, Md. "Geographical Lotto"
Pressed Metal Products Co., Cleveland, O.
Rotolette Mfg. Corp., Seattle, Wash. (Foot Ball)
Schoenhut (A.) Co., Phila., Pa.
Selchow & Righter Co., 200 5th Ave., New York, N. Y. "Pla-Rite"
Shuffle Board Equipmeent Co., Nappanee, Ind.
Statler Toy Corp., Baltimore, Md. "U. S. Geographical Lotto"
Steubenville Pressed Steel Co., Steubenville, O. "Kielo" (Bando Shot)
Stoll & Edwards Co., Inc., 425 Fourth Av., New York, N. Y.
Transogram Co., 200 Fifth Av., New York, N. Y. "Gold Medal"
Traps Mfg. Co., Seattle, Wash. "Bank," "Traps"
United States Playing Card Co., Cincinnati, O. "Po-Ke-No"
Waterbury Button & Mfg. Co., Waterbury, Conn.
Wilder Mfg. Co., St. Louis, Mo.
Wolverine Supply & Mfg. Co., Pittsburgh, Pa. (Strategy)—(Motor Race) "Gee-Wiz," "Pennant Winner," "Sandy Andy," "Sunny Andy," "Sunny Suzy" (Rabbit Chase)
Zulu Toy Mfg. Co., Inc., Battle Creek, Mich. (Blow Guns)

GARAGE DOOR BOLTS—See Bolts, Door, Factory and Garage

GARAGE DOOR BRACES—See Braces, Garage Door

GARAGE DOOR HANGERS — See Hangers and Hinges, Door, Garage

GARAGE DOOR HINGES—See Hangers and Hinges, Door, Garage

GARAGE DOOR HOLDERS—See Holders, Door, Garage

GARAGE DOOR OPENERS—See Openers, Garage Door

GARAGE DOORS, Overhead Acting—See Doors, Garage, Overhead Acting, Steel or Wood

GARAGE HARDWARE
(See also Hardware, Door, Sliding and Folding)

Allith-Prouty Co., Danville, Ill. "11-80," "1189"
Champion Hdwe. Co., Geneva, O.
Coburn Trolley Track Mfg. Co., Holyoke, Mass.
Corbin, P. & F., New Britain, Conn.
Frantz Mfg. Co., Sterling, Ill. "Glide," "Hi-Lo," "Rollaway," "Runwel," "Shedwel"
McKinney Mfg. Co., Pittsburgh, Pa.
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O. "Economy," "New Way," "New Way Giant," "O. K. Stayon," "Sure Grip"
National Mfg. Co., Sterling, Ill.
Pressed Metal Products Co., Cleveland, O.
Richards-Wilcox Mfg. Co., Aurora, Ill. "Slidetite," "Slidaside," "Corn-R-Wise," "Over-Way"
Sargent & Co., New Haven, Conn.
Sharon Hardware Mfg. Co., Sharon, Pa.
Shelby Spring Hinge Co., Shelby, O.
Stanley Wks., New Britain, Conn. "Roll-Up"
Starline, Inc., Harvard, Ill.
Thomas Mfg. Co., Newcastle, Ind.
Wagner Mfg. Co., Cedar Falls, Ia.

GARAGE HARDWARE SETS

Allith-Prouty Co., Danville, Ill.
Frantz Mfg. Co., Sterling, Ill. "Around-the-Corner," "E-Z," "Over-the-Top"
Griffin Mfg. Co., Erie, Pa.
Hager (C.) & Sons Hinge Mfg. Co., St. Louis, Mo.
McKinney Mfg. Co., Pittsburgh, Pa.
Myers (F. E.) & Bro. Co., 902 Church Ashland, O. "Economy," "New Way," "New Way Giant," "O. K. Stayon," "Sure Grip"
National Mfg. Co., Sterling, Ill.
Richards-Wilcox Mfg. Co., Aurora, Ill.
Sharon Hardware Mfg. Co., Sharon, Pa.
Stanley Wks., New Britain, Conn. "Roll-Up," "Swing Up"
Wagner Mfg. Co., Cedar Falls, Ia. "Cloztite"

GARAGE HEATERS—See Heaters, Garage

GARAGE VISE—See Vises, Garage & Household

GARAGES, Portable

Anchor Corrugating Construction Co., 130 W. 42nd, New York, N. Y.
Blaw-Knox Co., Baltimore, Md. "Prudential," "Quixet"
Bossert (Louis) & Sons, 1335 Grand, Bklyn., N. Y.
Brooks-Skinner Co., Quincy, Mass.
Buchanan, Wm. 488 Sumner Av., Bklyn., N. Y.
Butler Mfg. Co., Kansas City, Mo.
Case Mfg. Co., Jackson, Mich.
Catherman (J. A.) Mfg. Concern, Beaver Springs, Pa.
Chesebro Whitman Co., Inc., 38-21 12th, Long Island City, N. Y.
Columbian Steel Tank Co., Kansas City, Mo.
Continental Bridge Co., Peotone, Ill. (Steel)
Davis-Watson Mfg. Co., Nashua, N. H. (Steel)
Dexter Lumber Co., Norwood, O.
Diamond Hardware Mfg. Co., Pittsburgh, Pa.
Esline Co., Oconomowoc, Wis.
Farrar Lumber Co., Dalton, Ga.
Harry (O. K.) Steel Co., St. Louis, Mo.
Hodgson (E. F.) Co., Boston, Mass.
Huttig Sash & Door Co., St. Louis, Mo.
Hyde Park Lumber Co., Cincinnati, O. "Easibilt"
Karr Portable House Co., Chicago, Ill.
Kolb Bldg. Co., Inc., 250 W. 57th, New York, N. Y.
Lewis Mfg. Co., Bay City, Mich.
Martin Steel Products Co., Mansfield, O.
Mershon & Morley Co., Saginaw, Mich. "Gold Bond"
Milcor Steel Co., Milwaukee, Wis. "Porto"
Miller Mfg. Co., St. Louis, Mo.
Moister (M.) & Co., Phila., Pa. "Quickrect"
Pinyoun (F. C.) & Son, Cleveland, O.
Potter Mfg. & Lumber Co., Downers Grove, Ill. "Redybilt"
St. Johns Portable Bldg. Co., St. Johns, Mich.
St. Paul Corrugating Co., St. Paul, Minn. "Pruden"
Scholes Bros., Pittsburgh, Pa.
Stefco Steel Co., Michigan City, Ind.
Thayer Portable House Co., Keene, N. H. "Springfield"
Thomas-Armstrong Co., London, O. "Buckeye"
Togan & Stiles, Inc., Grand Rapids, Mich.

GARBAGE BURNERS—See Incinerators

GARBAGE CAN COVERS—See Covers, Can, Ash & Garbage

GARBAGE CANS—See Cans, Ash and Garbage

GARBAGE INCINERATORS — See Incinerators, Garbage

GARBAGE PAILS—See Pails, Garbage

GARBAGE RECEIVERS—See Receivers, Garbage

GARDEN BARROWS — See Wheelbarrows, All Types and Classifications

GARDEN BROOMS—See Brooms, Garden

GARDEN CULTIVATORS—See Cultivators, Garden

GARDEN DRILLS—See Drills, Garden

GARDEN FORKS—See Forks, Garden

GARDEN FOUNTAINS—See Fountains, Lawn and Garden

GARDEN FURNITURE—See Furniture, Garden, Lawn and Porch

GARDEN HOES—See Hoes, Garden

GARDEN HOSE ATTACHMENTS—See Hose Attachmeents, Garden

GARDEN HOSE REELS—See Reels, Hose, Garden

GARDEN HOSE SUPPORTS—See Supports, Garden Hose

GARDEN HOSE WASHERS—See Washers, Hose Garden

GARDEN ORNAMENTS—See Ornaments, Garden

GARDEN PLOWS—See Plows, Garden

GARDEN PUMPS—See Pumps, Spray

GARDEN RAKES—See Rakes, Garden

GARDEN SEED—See Seed, Garden and Flower

GARDEN SETS, Toy—See Sets, Garden, Toy

GARDEN SPADES—See Spades, Garden

GARDEN SPRAYERS—See Sprayers, Garden

GARDEN STAKES—See Stakes, Nursery and Garden

GARDEN TOOLS, RACKS—See Racks, Broom and Garden Tools

GARDEN TOOLS and IMPLEMENTS—See article desired

GARDEN TRACTORS
(See also Tractors)

Allen (S. L.) & Co., Inc., Phila., Pa. "Planet Jr."
Federal Foundry Supply Co., Cleveland, O.
Gilson Bolens Mfg. Co., Port Washington, Wis.
Progressive Machinery Co., Minneapolis, Minn. (Power)
Shaw Mfg. Co., Galesburg, Ill.

GARDEN TRELLISES—See Trellises

GARDEN TROWELS—See Trowels, Garden

GARDEN WEEDERS—See Weeders, Garden and Lawn

GARLANDS, Paper

Paper Novelty Mfg. Co., 225 E. 36th, New York, N. Y.
Royal Lace Paper Wks., 850 Lorimer, Bklyn., N. Y.
Wilmsen, B., Phila., Pa.

GARLANDS, Tinsel

Franke (George) Sons Co., Baltimore, Md.
National Tinsel Mfg. Co., Manitowoc, Wis.
Paper Novelty Mfg. Co., 225 E. 36th, New York, N. Y.

GARMENT BAGS—See Bags, Garment

GARMENT HANGERS—See Hangers, Garment

GARMENT HOOKS—See Hooks, Coat and Hat

GARMENT TREES—See Trees, Garment

GARNET PAPER—See Paper, Coated, Sand, Garnet, Aluminous, Etc.

GAS BLOW TORCHES—See Torches, Blow Gas

GAS BURNER TIPS—See Tips, Gas Burner

GAS BURNERS—See Burners, Gas

GAS CLOTHES DRYERS—See Dryers, Clothes, Gas

GAS, COAL and ELECTRIC COMBINATION STOVE—See under Stoves, Coal and Gas Combination

GAS COCKS—See Cocks, Gas

GAS FURNACE TORCHES—See Furnace Torches, Gas

GAS HEATERS—See Heaters, Gas

GAS LOGS—See Logs, Gas

GAS LIGHTERS—See Lighters, Gas

GAS LIGHTING TORCHES—See Lighters, Gas

GAS, Liquefied

Carbide & Carbon Chemicals Corp., 30 E. 42nd, New York, N. Y. "Pyrofax"
Northwestern Blaugas Co., St. Paul, Minn.
Pittsburgh, Thermoline Co., Pittsburgh, Pa.
Rockgas Products Co., Pittsburgh, Pa.

GAS MANTLES—See Mantles, Gas

GAS MELTING TORCHES—See Torches, Melting, Gas

GAS MIXERS—See Mixers, Gas

GAS PIPE—See Pipe, Cast Iron, Gas

GAS PLATES—See Plates, Hot, Electric, Gas, Etc.

GAS PLIERS—See Pliers, Gas

GAS RADIATORS—See Radiators, Gas

GAS RANGE FLUES—See Flues, Gas Range

GAS RANGE TOPS—See Tops, Gas Range

GAS RANGES—See under Stoves

GAS REFRIGERATORS—See Refrigerators, Gas

GAS REGULATORS—See Regulators, Gas

GAS SAD IRONS—See Irons, Sad, Gas

GAS SOLDERING FURNACES—See Furnaces and Torches, Gasoline and Kerosene

GAS STOVES—See under Stoves

GAS and COAL COMBINATION STOVES—See under Stoves, Coal and Gas Combination

GAS TOASTERS—See Toasters, Gas

GAS TORCHES—See under Torches

GAS TUBING—See Tubing, Gas

GAS WATER HEATER—See Heaters, Water, Gas, Radiation

GASKET CEMENT—See Cement, Gasket

GASKET CUTTERS—See Cutters, Gasket

GASKETS, Cork

Advance Felt & Cutting Co., Chicago, Ill.
Armstrong Cork Co., Lancaster, Pa. "Acco"
Booth Felt Co., Inc., 463 19th, Bklyn., N. Y. (Felt)
Field (R. B.) & Co., Worcester, Mass. "Fieldco"
Gasket Supply Co., Red Hill, Pa. "Right"
Goetze Gasket & Packing Co., New Brunswick, N. J. "Corker"
McCord Radiator & Mfg. Co., Detroit, Mich.

GASKETS, Door, Refrigerator

Acme Mfg. & Gasket Co., Phila., Pa.
Jarrow Products Corp., Chicago, Ill.
Thermwool Products Co., Inc., 360 Furman, Bklyn., N. Y. "Flexomold," "Servall"
Wirfs Corp., St. Louis, Mo. "Airtite"

GASKETS, Lead

National Lead Co., 111 B'way, New York, N. Y.

GASKETS, Metallic

Acme Mfg. & Gasket Co., Phila., Pa.
Everitt Co., Boston, Mass.
Fitzgerald Mfg. Co., Torrington, Conn. "Never-Leak"
Gasket Supply Co., Red Hill, Pa. "Right"
Goetze Gasket & Packing Co., New Brunswick, N. J.
McCord Radiator & Mfg. Co., Detroit, Mich. "McKim"
Victor Mfg. & Gasket Co., Chicago, Ill.

GASOLINE CANS—See Cans, Oil and Gasoline

GASOLINE ENGINE SPRAYERS — See Sprayers, Gasoline Engine

GASOLINE ENGINES—See Engines, Gasoline

GASOLINE FURNACES—See Furnaces and Torches, Gasoline

GASOLINE HEATERS—See Heaters, Gasoline

GASOLINE LAMPS—See Lamps and Lanterns, Gasoline

GASOLINE LANTERNS—See Lamps and Lanterns, Gasoline

GASOLINE MANTLES—See Mantles, Gas and Gasoline

GASOLINE MOTOR WASHING MACHINES—See Washing Machines, Gasoline Motor

GASOLINE PUMPS—See Pumps, Gasoline

GASOLINE SAD IRONS—See Irons, Sad, Gasoline

GASOLINE STOVES—See Stoves, Gasoline

GASOLINE TANKS—See Tanks, Gasoline

GASOLINE TORCHES—See under Furnaces; also under Torches

GASOLINE WATER HEATERS—See Heaters, Water, Gasoline

GATE HANGERS—See Hangers, Gate

GATE HINGES—See Hinges, Gate

GATE HOOKS and EYES—See Hooks and Eyes, Gate

GATE LATCHES—See Latches, Gate

GATE VALVES—See Valves, Gate

GATES, Bank, Office, Store, Etc.

Badger Wire & Iron Wks., Milwaukee, Wis.
Logan Co., Louisville, Ky.
Meyers (Fred J.) Mfg. Co., Hamilton, O.
Stewart Iron Wks. Co., Inc., 814 Stewart Block, Cincinnati, O.

GATES, Farm

American Steel & Wire Co., 208 S. LaSalle, Chicago, Ill. "American"
Anchor Post Fence Co., Baltimore, Md.
Brown (H. L.) Fence & Mfg. Co., Cincinnati, O. "Norwood"
Clay Equipment Corp., Gate Div., 126 Clay Av., Cedar Falls, Ia.
Continental Steel Corp., Kokomo, Ind.
Cyclone Fence Co., Waukegan, Ill. "Red Tag," "Cyclone"
Franklin Equipment Co., Monticello, Ia.
Gregg Mfg. Co., Fredericktown, O. "Sta-Rite"
Hicks Gate Co., Fredericktown, O. "Leader"
Indiana Steel & Wire Co., Muncie, Ind. "Imperial"
Keystone Steel & Wire Co., Peoria, Ill. "Square Deal"
Kitselman Bros., Muncie, Ind.
Mid-States Steel & Wire Co., Crawfordsville, Ind. "Anderson," "Giant," "Star"
Northwestern Barb Wire Co., Sterling, Ill.
Page Steel & Wire Co., Monessen, Pa.
Pence, W. H., Fairfield, Ia.
Portable Elevator Mfg. Co., Bloomington, Ill.
Rowe Mfg. Co., Galesburg, Ill. "Cant-Sag"
Sioux Falls Metal Culvert Co., Sioux Falls, S. D.
Standard Mfg. Co., Cedar Falls, Ia. "Trojan"
Von Steen (John H.) Co., Beatrice, Neb.
Warner Steel Products Co., Ottawa, Kan.

GATES, Folding

Badger Wire & Iron Wks., Milwaukee, Wis.
Buffalo Wire Wks., Buffalo, N. Y.
Cincinnati Iron Fence Co., Cincinnati, O.
Meyers (Fred J.) Mfg. Co., Hamilton, O.
Rugg Mfg. Co., Greenfield, Mass. "Ever-Safe" (Porch)
Smith (F. P.) Wire & Iron Wks., Chicago, Ill.
Stewart Iron Wks. Co., Inc., 814 Stewart Block, Cincinnati, O.
Wickwire Spencer Steel Co., Inc., 41 E. 42nd, New York, N. Y.

GATES, Lawn—See Fence and Gates, Lawn

GATES, Molasses, Oil and Varnish

Burlington Brass Wks., Burlington, Wis.
Cheney (S.) & Son, Manlius, N. Y.
Key Boiler Equipment Co., Inc., E. St. Louis, Ill. "Lemay" (Forced Feed)
Kraft, A. C., Chicago, Ill.
Landers, Frary & Clark, New Britain, Conn.
Multiplex Faucet Co., St. Louis, Mo.
Rauch Mfg. Co., Galena, Kan. "Perfection"
Redlich Mfg. Co., Chicago, Ill
Sargent & Co., New Haven, Conn.
Sommer (John) Faucet Co., 32 Morris Av., Newark, N. J. "Perfection"
Stearns (E. C.) & Co., Syracuse, N. Y. "Lockfast," "Scovilles," "Stearns Ecsco"
Syracuse Stamping Co., Inc., Syracuse, N. Y. "Syraco"
Weller Hdw. & Foundry Co., Horseheads, N. Y. "Stebbins"

GATES, Office—See Gates, Bank, Office, Store, Etc.

GATES, Oil—See Gates, Molasses, Oil and Varnish

GATES, Ornamental—See Fence and Gates, Lawn

GATES, Porch

Auto Wheel Coaster Co., N. Tonawanda, N. Y.
Chicago Curtain Stretcher Co., Chicago, Ill.
Gardner Crib & Cradle Co., Gardner, Mass.
Gem Crib & Cradle Co., Gardner, Mass.
Gem Mfg. Co., Bascom, O. "Sun Beam"
Geneva Mfg. Co., Geneva, Ill.
Illinois Specialty Co., Tuscola, Ill.
Perfection Mfg. Co., St. Louis, Mo.
Rich Pump & Ladder Co., Cincinnati, O.
Rugg Mfg. Co., Greenfield, Mass. "Ever-Safe"
Standard Novelty Wks., Duncannon, Pa.

GATES, Steel—See Fence and Gates, Lawn

GATES, Store—See Gates, Bank, Office, Store, Etc.

GATES, Varnish—See Gates, Molasses, Oil and Varnish

GATEWAY ARCHES—See Arches, Gateway

GATHERING BASKETS—See Baskets, Gathering

GAUGING TAPES, Oil—See Tapes, Measuring

GEAR GREASES, Fishing Reel—See Greases, Gear, Fishing Reel

GIMLET BITS—See Bits, Gimlet

GIMLETS

Deuse, J. S., Chester, Conn.
Snell Mfg. Co., Fiskdale, Mass.
Stortz (John) & Son, Phila., Pa.
Swan (Jos.) Co., Seymour, Conn.

GIMP TACKS—See Tacks, Upholsterers'

GIRL SCOUT KNIVES—See Knives, Pocket; also Knives, Hunting

GLASS CASTERS—See Casters, Glass

GLASS CEMENT—See Cement, China, Crockery, Glass, Etc.

GLASS CLOTH—See Glass, Substitute, Flexible

GLASS CUTTERS' RULES—See Rules, Glass Cutters'

GLASS CUTTERS' SQUARES—See Squares, Glass Cutters'

GLASS CUTTERS—See Cutters, Glass

GLASS CUTTING BOARDS—See Boards, Glass Cutting

GLASS CYLINDERS—See Cylinders, Glass

GLASS JUGS—See Jugs, Glass

GLASS KNIVES—See Knives, Glass

GLASS KNOBS—See Knobs, Door and Drawer, Glass; also Knobs, Glass

GLASS LAMPS—See Lamps, Glass

GLASS OVEN WARE—See Ware, Oven, Glass

GLASS PARTITIONS—See Partitions, Glass

GLASS PLIERS—See Pliers, Glass

GLASS, Safety

Libbey-Owens-Ford Glass Co., Toledo, O. "L.O.F."

GLASS SHELVES—See Shelves, Glass

GLASS SIGNS—See Signs, Glass

GLASS SPECIALTIES—See Specialties, Glass

GLASS SUBSTITUTE, Flexible

Acetol Products, Inc., 1775 B'way, New York, N. Y. "Cel-O-Glass"
Clay Equipment Corp., Cedar Falls, Ia. (Agricultural Vita Glass)
Dobeckmun Co., Cleveland, O.
Flex-O-Glass Mfg. Co., Chicago, Ill.
New York Wire Cloth Co., 342 Madison Av., New York, N. Y. "Vimlite"
Turner Bros., Bladen, Neb.

GLASS TOYS and NOVELTIES

Bonita Glass Corp., Huntington, W. Va.
Leistner, Oscar, Chicago, Ill.
Marsden (J. E.) Glass Wks., Inc., Ambler, Pa.

GLASS TUMBLERS—See Tumblers, Glass

GLASS WARE—See Ware, Glass

GLASS WARE, Baking—See Ware, Oven

GLASS WARE, Cooking—See Ware, Oven

GLASS WARE, Kitchen—See Ware, Glass, Kitchen

GLASS WARE, Refrigerator—See Ware, Glass

GLASS WARE, Table—See Ware, Glass, Table

GLASS, Water

Central Commercial Co., Chicago, Ill.
Crystal Chemical Corp., Summitville, Ind.
General Chemical Co., 40 Rector, New York, N. Y.
Mallinckrodt Chemical Wks., St. Louis, Mo.
Phila. Quartz Co. of California, Berkeley, Cal.
Rutland Fire Clay Co., Rutland, Vt.

GLASS, Window

American Window Glass Co., Pittsburgh, Pa. "Best," "Lustraglass"
Hires-Turner Glass Co., Phila., Pa.
Pittsburgh Plate Glass Co., Pittsburgh, Pa. "Pennvernon"
Yates-Brockerage Co., Pennsboro, W. Va. "Fourcault"

GLASSES, FIELD—See Binoculars

GLASSES, Gage

Advance Packing & Supply Co., Chicago, Ill. "Firma," "Heather Brand," "Tenax Red Line"
Bache (Semon) & Co., 636 Greenwich, New York, N. Y. "Eureka," "Maltese Cross"
Belfield (H.) Co., Phila., Pa. "Sterling"
Chesterton (A. W.) Co., Boston, Mass. "McGregor," "Sonderglass"
Jenkins Bros., 80 White. New York, N. Y. "Moncrieff"
Kimble Glass Co., Vineland, N. J.
Libbey-Owens-Ford Glass Co., Toledo, O. "Ajax"
Macbeth-Evans Glass Co., Charleroi, Pa.
Vineland Flint Glass Wks., Vineland, N. J.
Wiltbonco Mfg. Co., Boston, Mass.

GLASSES LEVEL—See Glasses, Spirit Level

GLASSES, Oil Cup

American Injector Co., Detroit, Mich.
Bache (Semon) & Co., 636 Greenwich, New York, N. Y.
Detroit Lubricator Co., Detroit, Mich.
Friedrich & Dimmock, Millville, N. J.

GLASSES, Spirit Level

Bache (Semon) & Co., 636 Greenwich, New York, N. Y.
Disston (Henry) & Son, Inc., (Tacony), Phila., Pa.
Geier & Bluhm, Inc., Troy, N. Y.
Heinze, Oscar H., New Britain, Conn.
Stanley Wks., New Britain, Conn.

GLAZIERS' DRIVERS—See Drivers, Glaziers'

GLAZIERS' HAMMERS—See Hammers, Glaziers'

GLAZIERS' POINT DRIVERS—See Drivers, Glaziers'

GLAZIERS' POINTS—See Points, Glaziers'

GLAZIERS' SUPPLIES—See article desired

GLIDERS, Furniture
(See also Slides, Furniture)

Adjustable Caster Co., Phila., Pa. "Adjusta"
Buckeye Glide Co., 125 E. 23d, New York, N. Y. "Spring-Kushion"
Darnell Corp., Long Beach, Cal.
Domes of Silence, Inc., 35 Pearl, New York, N. Y. "Andrews," "HO"
Faultless Caster Co., Evansville, Ind.
Hartford Glass Products Co., Hartford City, Ind. "Glasglide"
Mattatuck Mfg. Co., Waterbury, Conn. "Indian Glide"
Onward Mfg. Co., Menasha, Wis.
Standard Cushion Co., Bridgeport, Conn. "Level-Glides"
Turner & Seymour Mfg. Co., Torrington, Conn. "Eagle," "Keystone," "Monarch," "Pussy Foot"
Waterbury Button & Mfg. Co., Waterbury, Conn. "Noiseless"

GLIDING CASTERS—See Slides, Furniture; also Gliders, Furniture

GLOBE VALVES—See Valves, Globe and Angle

GLOBES, Fish—See Aquariums

GLOBES, Lantern

Bridgeport Lamp Chimney Co., Bridgeport, W. Va.
Cameron Glass & Mfg. Co., Cameron, W. Va.
Corning Glass Wks., Corning, N. Y. "C. N. X.," "Pyrex"
Crescent Glass Co., Wellsburg, W. Va. "Ruby"
Dietz (R. E.) Co., 60 Laight, New York, N. Y. "D-Lite," "Fitzall"
Hocking Glass Co., Lancaster, O.
Jenkins (D. C.) Glass Co., Kokomo, Ind.
Lamp & Glass Specialty Co., Monca, Pa.
Libbey-Owens-Ford Glass Co., Toledo, O.
McKee Glass Co., Jeannette, Pa.
Macbeth-Evans Glass Co., Charleroi, Pa.
Rodefer Glass Co., Bellaire, O.
Sneath Glass Co., Hartford City, Ind.
Vineland Flint Glass Wks., Vineland, N. J.

GLOVES, Base Ball

Brine (James W.) Co., Boston, Mass.
Denkert (M.) & Co., Johnstown, N. Y.
Des Moines Glove & Mfg. Co., Des Moines, Ia.
Draper-Maynard Co., Plymouth, N. H.
Dubow (J. A.) Mfg. Co., Inc., Chicago, Ill.
Goldsmith (P.) Sons Co., Cincinnati, O.
Ken-Wel Sporting Goods Co., Utica, N. Y. "Dazzy Vance"
National Sporting Goods Mfg. Co., St. Louis, Mo.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.) Wright & Ditson, Inc., Phila., Pa.
Reg'lar Fellers, Cincinnati, O.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stall & Dean Mfg. Co., Brockton, Mass.
Wilson-Western Sporting Goods Co., Chicago, Ill.

GLOVES, Boxing

Brine (James W.) Co., Boston, Mass.
Denkert (M.) & Co., Johnstown, N. Y.
Draper-Maynard Co., Plymouth, N. H.
Dubow (J. A.) Mfg. Co., Inc., Chicago, Ill.
Goldsmith (P.) Sons Co., Cincinnati, O.
Ken-Wel Sporting Goods Co., Utica, N. Y.
Levinson, Sol., San Francisco, Cal.
Mandl, Bernard, Chicago, Ill.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.) Wright & Ditson, Inc., Phila., Pa.
Reg'lar Fellers, Cincinnati, O.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stall & Dean Mfg. Co., Brockton, Mass.
Wilson-Western Sporting Goods Co., Chicago, Ill.

GLOVES, Canvas, Cotton, Etc.

Boss Mfg. Co., Kewanee, Ill.
Coshocton Glove Co., Coshocton, O. "Co-Shoe"
Hettrick Mfg. Co., Toledo, O.
Jamaica Glove Co., Lisbon, N. H.
Mount Union Tanning & Extract Co., Mount Union, Pa.
National Glove Co., Columbus, O.
Ohio Glove & Mfg. Co., Columbus, O.
Seneca Glove and Mitten Mfg. Co., Tiffin, O. (Cotton)
U. S. Glove Co., Marion, Ind. "Twin Seam" (Leather Palm)

GLOVES, Cotton—See Gloves, Canvas, Cotton, Etc.

GLOVES, Golf

Crawford, McGregor & Canby Co., Dayton, O.
Draper-Maynard Co., Plymouth, N. H.
Heagle, Jas., Johnstown, N. Y.
Ken-Wel Sporting Goods Co., Utica, N. Y.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.) Wright & Ditson, Inc., Phila., Pa.
Schumann Bros., Johnstown, N. Y.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.

GLOVES, Hand Ball

Brine (James W.) Co., Boston, Mass.
Draper-Maynard Co., Plymouth, N. H.
Dubow (J. A.) Mfg. Co., Inc., Chicago, Ill.
Goldsmith (P.) Sons Co., Cincinnati, O.
Ken-Wel Sporting Goods Co., Utica, N. Y.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.) Wright & Ditson, Inc., Phila., Pa.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stall & Dean Mfg. Co., Brockton, Mass.

GLOVES, Hockey

Brine (James W.) Co., Boston, Mass.
Draper-Maynard Co., Plymouth, N. H.
Reach (A. J.) Wright & Ditson, Inc., Phila., Pa.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stall & Dean Mfg. Co., Brockton, Mass.

GLOVES, Husking

Boss Mfg. Co., Kewanee, Ill.
Seneca Glove and Mitten Mfg. Co., Tiffin, O.

GLOVES, Rubber

Aetna Rubber Co., Ashtabula, O.
Battery Equipment & Supply Co., Chicago, Ill. "Besco"
Faultless Rubber Co., Ashland, O. "General Service," "Hi-Test," "Hi-Voltage"
Gross, Wm. M., Sharon, Pa. "Industrial"
Jackson (A. D.) Saddlery Co., Benton, Ill.
U. S. Rubber Co., 1790 B'way, New York, N. Y.
Wilson Rubber Co., Canton, O.

GLOVES, Shooting

Draper-Maynard Co., Plymouth, N. H.
Luther (J. P.) Glove Co., Berlin, Wis.
Morrison-Ricker Mfg. Co., Grinnell, Ia.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.) Wright & Ditson, Inc., Phila., Pa.

GLOVES, Working—See Gloves, Canvas, Cotton, Etc.

GLUE, Aeroplane

Casein Mfg. Co., 207 E. 42nd, New York, N. Y.

GLUE BRUSHES—See Brushes, Glue

GLUE, Cold Water

Casein Mfg. Co. of America, Inc., 207 E. 42nd, New York, N. Y. "Casco"
Norristown Asbestos Mfg. Co., Boston, Mass. "Mecco"
Perkins Glue Co., Lansdale, Pa.

GLUE, Fish

Commercial Paste Co., Columbus, O. "Evans"
National Adhesive Corp., 820 Greenwich, New York, N. Y.
Rogers Isinglass & Glue Co., Gloucester, Mass.
Russia Cement Co., Gloucester, Mass.
Williamson Glue & Gum Wks., Chicago, Ill.

GLUE, Gelatine

Armour Glue Wks., Chicago, Ill.
Cooper's (Peter) Glue Factory, 11th Av. & 28th, New York, N. Y.
Minnesota Mining & Mfg. Co., St. Paul, Minn.
National Adhesive Corp., 820 Greenwich, New York, N. Y.

GLUE HEATERS—See Heaters, Glue

GLUE, HOUSEHOLD—See Glue, Liquid

GLUE, Liquid

American Gum & Liquid Glue Co., 123 William, New York, N. Y.
Arabol Mfg. Co., 110 E. 42nd, New York, N. Y.
Buffalo Standard Ink Corp., Buffalo, N. Y. "Standard"
Carter's Ink Co. (E. Cambridge), Boston, Mass.
Cibara Mfg. Co., St. Louis, Mo.
Commercial Paste Co., Columbus, O. "Copasco"
Davids (Thaddeus) Ink Co., 95 Vandam, New York, N. Y.
Davis (Wm. A.) Co., Canton, Mass.
Dennison Mfg. Co., Framingham, Mass.
Diamond Ink Co., Milwaukee, Wis.
Dold (Jacob) Packing Co., Buffalo, N. Y.
Ferdinand (L. W.) & Co., 599 Albany, Boston, Mass. "Ferdico," "Jeffery's"
Fuller (H. B.) Co., St. Paul, Minn.
International Glue Co., Boston, Mass.
Keller (Robt.) Ink Co., Detroit, Mich.
McCormick & Co., Inc., Baltimore, Md.
National Adhesives Corp., 820 Greenwich, New York, N. Y.
Rogers Isinglass & Glue Co., Gloucester, Mass.
Royal Glue Co., Baltimore, Md.
Russia Cement Co., Gloucester, Mass. "Le Page's"
St. Louis Rubber Cement Co., Inc., St. Louis, Mo. "Red X"
Stay-Tite Products Co., Cleveland, O.
Sure-Grip Adhesives Co., Albany, N. Y.
Swearingen (J. C.) Ink Co., Pittsburgh, Pa.
Williamson Glue & Gum Wks., Chicago, Ill.

GLUE, Marine

Ferdinand (L. W.) & Co., 599 Albany, Boston, Mass. "Jeffery's"

GLUE POTS—See Pots, Glue

GLUE, Powdered

Casein Mfg. Co. of America, Inc., 207 E. 42nd, New York, N. Y. "Casco"
Perkins Glue Co., Lansdale, Pa.

GLUE, Waterproof

Casein Mfg. Co. of America, Inc., 207 E. 42nd, New York, N. Y. "Casco"
Ferdinand (L. W.) & Co., 599 Albany, Boston, Mass. "Ferdico-Ferrule Stick," "Jeffery's," "Stanzall"
Perkins Glue Co., Lansdale, Pa.
Russia Cement Co., Gloucester, Mass.
Stay-Tite Products Co., Cleveland, O.
Williamson Glue & Gum Wks., Chicago, Ill.

GOALS, Basket Ball

American Play Ground Device Co., Anderson, Ind.
Brine (James W.) Co., Boston, Mass.
Chicago Gymnasium Equipment Co., Chicago, Ill.
Collette Mfg. Co., Amsterdam, N. Y.
Draper-Maynard Co., Plymouth, N. H.
Ericksen Textile Co., Momence, Ill.
Goldsmith (P.) Sons Co., Cincinnati, O.
Kentucky Wagon Mfg. Co., Louisville, Ky.
Ken-Wel Sporting Goods Co., Utica, N. Y.
Medart Co., St. Louis, Mo.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Reg'lar Fellers, Cincinnati, O.
St. Charles Net & Hammock Co., St. Charles, Ill.
Schutt (W. A.) Mfg. Co., Litchfield, Ill "Rigid"
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stall & Dean Mfg. Co., Brockton, Mass.
Tothill, W. S., Chicago, Ill.

GO-CARTS—See Carriages, Baby

GO-CARTS, Doll—See Carts, Go, Doll

GO-CART TIRES—See Tires, Go-Cart

GOLD POWDERS—See Powders, Bronze, Gold, Aluminum, Etc.

GOLF BAG LOCKS—See Locks, Golf Bag

GOLF BAGS—See Bags, Caddy

GOLF BALL MARKERS—See Markers, Golf Ball

GOLF BALLS—See Balls, Golf

GOLF CLUB GRIPS—See Grips, Golf Club

GOLF CLUBS—See Clubs, Golf

GOLF COURSES, Miniature

Carnie-Goudie Mfg. Co., Kansas City, Mo. "Da-Nite"
Fairyland Mfg. Co., Chattanooga, Tenn. "Tom Thumb"
National Pipe Products Corp., Rochester, Pa. "Tom Thumb"
Stephens (A. J.) & Co., Kansas City, Mo.

GOLF GAMES, Toys—See Games, Golf, Toy

GOLF GLOVES—See Gloves, Golf

GOLF GREEN RAKES—See Rakes, Putting Green

GOLF SETS, Children's—See Sets, Golf, Children's

GOLF SETS, Portable—See Sets, Golf, Portable

GOLF SHAFTS—See Shafts, Golf

GOLF TEES—See Tees, Golf

GOOSE CALLS—See Calls, Goose

GOOSE, Tailors—See Irons, Sad, Electric

GOOSENECK WRECKING BARS—See Bars, Wrecking

GOPHER TRAPS—See Traps, Gopher

GOUGES, Carpenters'—See Chisels and Gouges, Carpenters'

GRAB HOOKS—See Hooks, Chain

GRABS, Nail—See Claws and Grabs, Nail

GRABS, Oyster

Hess (Chas.) Co., 49-14 Metropolitan Av., Bklyn., N. Y.

GRAIN SCOOPS—See Scoops, Grain

GRAINING COMBS—See Combs, Graining

GRAPE PRESSES—See Presses, Fruit

GRAPEFRUIT KNIVES—See Knives, Grapefruit

GRAPEFRUIT PEELERS—See Peelers, Orange & Grapefruit

GRAPHITE, Lubricating

Acheson Graphite Corp., Unit of Union Carbide & Carbon Corp., Niagara Falls, N. Y.
Burgess (C. F.) Laboratories, Chicago, Ill.
Dixon (Jos.) Crucible Co., Wayne & Monmouth, Jersey City, N. J.
Durkee-Atwood Co., Minneapolis, Minn.
Forster Paint & Mfg. Co., Winona, Minn.
Kant Rust Products Corp., Rahway, N. J.
Liberty Chemical Works, Chicago, Ill.
St. Louis Rubber Cement Co., Inc., St. Louis, Mo. "Red X"
Sonneborn (L.) Sons, 114 5th Av., New York, N. Y.
United States Graphite Co., Saginaw, Mich.
Van Cleef Bros., Chicago, Ill.
White & Bagley Co., Worcester, Mass. "Oilzum"

GRAPHITE PAINTS—See Paints, Graphite

GRAPPLING HOOKS—See Hooks, Grappling

GRASS, Artificial

Elk Supply Co., Inc., 37 W. 26th, New York, N. Y.
Select Artificial Flower Co., Inc., 44 W. 33rd, New York, N. Y.
Sellas Sales Corp., 1133 B'way, New York, N. Y.
Weeks-Howe-Emerson Co., San Francisco, Cal.

GRASS CATCHERS—See Catchers, Grass

GRASS HOOK HANDLES—See Handles, Hook, Grass

GRASS HOOKS—See Hooks, Grass

GRASS SEED—See Seed, Lawn

GRASS SEED SOWERS—See Sowers, Grass Seed, Hand

GRASS SHEARS—See Shears, Grass

GRASSHOPPERS, Preserved—See Baits, Fish, Preserved

GRATERS, Nutmeg

Caldwell Mfg. Co., Rochester, N. Y. "Gem"
Dixon-Prosser, Inc., 1611 Masonic Bldg., New York, N. Y. "Perfect"
Hamblin & Russell Mfg. Co., Worcester, Mass. "New Rapid," "Unique," "Yankee"
Hamilton Metal Products Co., Hamilton, O.
Handy Things Mfg. Co., Ludington, Mich.
Read Mfg. Co., York, Pa. (Electric)

GRATERS, Vegetable, Etc.

Aluminum Goods Mfg. Co., Manitowoc, Wis.
American Can Co., 230 Park Av., New York, N. Y.
Bromwell Wire Goods Co., Cincinnati, O. "Star"
Crescent Scoop Mfg. Co., Phila., Pa.
Dixon-Prosser, Inc., 1611 Masonic Bldg., New York, N. Y. "Perfect," "Wonder Shredder"
Hamilton Metal Products Co., Hamilton, O. "Climax"
Hoe Corp., Poughkeepsie, N. Y. "Merryway" (Electric)
Houchin (Thos. W.) Co., 309 9th, Jersey City, N. J.
Independent Staple Co., New Rochelle, N. Y. "Perfect"
Kelso & Co., Chicago, Ill.
Knapp-Monarch Co., Belleville, Ill. "Vegegrater"
Kreamer (A.), Inc., 307 Kent Av., Bklyn., N. Y.
National Enameling & Stamping Co., Milwaukee, Wis.
Savory, Inc., 591 Ferry, Newark, N. J.
Schleuter Mfg. Co., St. Louis, Mo.
Schroeter Bros., St. Louis, Mo.
Smith's (John E.) Sons Co., Buffalo, N. Y.
Stuber & Kuck Co., Peoria, Ill.

GRATES, Camp
(See also Broilers, Camp)

Stuart, W. W., Des Moines, Ia.
Union Steel Products Co., Albion, Mich.
United Steel & Wire Co., Battle Creek, Mich.
Washburn Company, Worcester, Mass.

GRATES, Fireplace—See Andirons, Fenders and Grates

GRATES, Ventilator

Jackson (Edwin A.) & Bro., 50 Beekman, New York, N. Y. "Classic," "Craftsman," "Ionic," "Jaxon," "Mission"
Leavitt Mfg. Co., Urbana, Ill.
Majestic Co., Huntington, Ind.
Mesker Bros. Iron Co., St. Louis, Mo.
Mobile Pulley & Machine Wks., Mobile, Ala.
Swett (A. L.) Iron Wks., Medina, N. Y.

GRATINGS, Iron

Fiske (J. W.) Iron Wks., 78 Park Place, New York, N. Y.
Logan Co., Louisville, Ky.
Meyers (Fred J.) Mfg. Co., Hamilton, O.
Swett (A. L.) Iron Wks., Medina, N. Y.

GRAVEL SCREENS—See Screens, Coal, Sand, Etc.

GREASE CUPS—See Cups, Grease

GREASE PUMPS—See Pumps, Oil and Grease

GREASES, Axle
(See also Greases, Lubricating)

American Oil Corp., Jackson, Mich.
Aspinwall (Geo. H.) Inc., Cornelison Av., Jersey City, N. J.
Baum's Castorine Co., Rome, N. Y.
Borne-Scrymser Co., 17 Battery Pl., New York, N. Y.
Brooks Oil Co., Cleveland, O.
Canfield Oil Co., Cleveland, O.
Cassetty Oil & Grease Co., Nashville, Tenn.
Columbia Refining Co., 90 West, New York, N. Y.
Cook (Adam) Sons, Inc., Elizabeth Av., Linden, N. J.
Dixon (Joseph) Crucible Co., Wayne & Monmouth, Jersey City, N. J.
Franklin Oil & Gas Co., Bedford, O.
Galena Mfg. Co., Galena, Ill. "Superior," "Sticktite"
Great Western Oil Co., Cleveland, O.
Hamm (M.) Co., Washington C. H., O.
Houghton (E. F.) & Co., Phila., Pa.
Ilsley, Doubleday & Co., 229 Front, New York, N. Y. "Bidwell's"
Independent Oil Co., Mansfield, O.
Lindsay-McMillan Co., Milwaukee, Wis.
Miller's (A. D.) Sons Co., Pittsburgh, Pa.
National Refining Co., Cleveland, O. "Black Beauty"
Oklahoma Lubricating Co., Oklahoma City, Okla.
Panhard Oil Corp., New York, N. Y.
Robinson (Wm. C.) & Son Co., Baltimore, Md.
Sherwood Bros., Baltimore, Md.
Sinclair Refining Co., Chicago, Ill.
Standard Oil Co. of N. J., 26 B'way, New York, N. Y. "Diamond"
Star Oil Co., Chicago, Ill.
Stevenson Bro. & Co., Phila., Pa.
Swan & Finch Co., 522 5th Av., New York, N. Y.

GREASES, Gear, Fishing Reel

Enterprise Mfg. Co., Dept. HA, Akron, O.

GREASES, Lubricating

Acheson Graphite Corp., Unit of Union Carbide & Carbon Corp., Niagara Falls, N. Y. "Gredag"
American Oil Co., Baltimore, Md. "Amoco," "Eze-Lube"
Baum's Castorine Co., Rome, N. Y.
Borne-Scrymser Co., 17 Battery Pl., New York, N. Y. "Colonial," "Puritan," "Silex"
Cook (Adam) Sons, Inc., Elizabeth Av., Linden, N. J. "Albany," "Pressuregrease"
Crescent Oil Corp., Independence, Kan.
Dearborn Chemical Co., Chicago, Ill.

GREASES, Lubricating (Continued)

Dixon (Jos.) Crucible Co., Wayne & Monmouth, Jersey City, N. J.
Durkee-Atwood Co., Minneapolis, Minn. "Rie-Nie"
Ensign Refining Co., Cleveland, O.
Freedom Oil Wks. Co, Freedom, Pa.
Haggerty Refining Co., 50 South, New York, N. Y. "Reliance," "Thermo"
Hall-Thompson Co., Hartford, Conn. "Wonder Worker"
Harris (A. W.) Oil Co., Providence, R. I.
Hollingshead (R. M.) Co., Camden, N. J. "Whiz"
Hoppe (Frank A.) Inc., 2314-H N. 8th, Phila., Pa.
Houghton (E. F.) & Co., Phila., Pa.
Ilsley, Doubleday & Co., 229 Front, New York, N. Y.
Indian Refining Co., Lawrenceville, Ill. "Havoline"
Ironsides Co., Columbus, O. "Shield"
Jonas (J.) & Bro., Phila., Pa. "Balkan"
Ohio Grease Co., Loudonville, O.
Panhard Oil Corp., 17 Water, New York, N. Y.
Paragon Refining Co., Toledo, O. "Polar"
Penn Petroleum & Supply Co., Phila., Pa. "Primus"
Pennsylvania Lubricating Co., Pittsburgh, Pa. "Economy," "Palubco," "Penn," "Sylvan"
Red "C" Oil Mfg. Co., Baltimore, Md. "Speedway"
Robinson (Wm. C.) & Son, Baltimore, Md. "Greoil"
Sinclair Refining Co., Chicago, Ill. "Shamrock"
Standard Oil Co. of N. J., 26 B'way, New York, N. Y. "Polarine"
Sun Co., Phila., Pa "Nusco"
Swan-Finch Oil Corp., 205 E. 42nd, New York, N. Y. "Calypsol," "Motul Gearese"
Texas Co., 17 Battery Pl., New York, N. Y. "Texaco," "Thuban"
Tide Water Oil Co., 11 B'way, New York, N. Y. "Cupolene," "Spedolene," "Veedol"
United States Graphite Co., Saginaw, Mich. "Mexican"
Vacuum Oil Co., 61 B'way, New York, N. Y. "Auto-"sponge," "Mobilubricant," "Motogrease"
Valvoline Oil Co., 60 B'way, New York, N. Y.
Van Cleef Bros., Chicago, Ill. "Dutch"
Visco Motor Oil Co., Cleveland, O.
Wadhams Oil Co., Milwaukee, Wis. "Badger"
Waverly Oil Works Co., Pittsburgh, Pa.
White & Bagley Co., Worcester, Mass. "Oilzum"
Whitmore Mfg. Co., Cleveland, O.
Wolverine Lubricants Co. of N. Y., 44 Whitehall, New York, N. Y.

GREASES, Rifle, Shot Gun, Etc.

Hoppe (Frank A.) Inc., 2314-H N. 8th, Phila., Pa.
Nye (Wm. F.), Inc., Fairhaven, Mass.
Remington Arms Company, Inc., Bridgeport, Conn.

GREASES, Shot Gun—See Greases, Rifle, Shot Gun, Etc.

GREENHOUSE FITTINGS—See Fittings, Greenhouse

GREENHOUSES, Toy

Arrow Mfg. Co., Cleveland, O.
Meccano Co. of America, 200 5th Av., New York, N. Y.
Paddy's Pup Co., Los Angeles, Cal.
Wolverine Supply & Mfg. Co., Pittsburgh, Pa.

GREY IRON AXES—See Axes, Grey Iron

GRID UNITS—See Elements, Electric Heating

GRIDDLES, Aluminum—See Griddles, Iron, Steel, Aluminum, Etc.

GRIDDLES, Electric

Champion Electric Co., Cleveland, O. "Halectric"
Detroit-Michigan Stove Co., Detroit, Mich. (Gas) "Garland," "Jewel"
Dominion Electrical Mfg. Co., Minneapolis, Minn. "Domino"
General Electric Co., Bridgeport, Conn. "Hot Point"
Halman's Specialty Mfg. Co., Los Angeles, Cal.
Landers, Frary & Clark, New Britain, Conn. "Universal"
Metal Ware Corp., Two Rivers, Wis. "Empire"
Pelouze Mfg. Co., Chicago, Ill.
Standard Electric Stove Co., Toledo, O.
Utility Electric Co., St. Louis, Mo. "Beauty"

GRIDDLES, Iron, Steel, Aluminum, Etc.

Aluminum Cooking Utensil Co., New Kensington, Pa. "Wear-Ever"
Aluminum Goods Mfg. Co., Manitowoc, Wis.
Atlanta Stove Wks., Atlanta, Ga.
Bellaire Enamel Co., Bellaire, O. "Neverbreak"
Cheney (S.) & Son, Manlius, N. Y.
Crescent Foundry Co., St. Louis, Mo. "Ozark" (Iron)
Doylestown Aluminum Ware Co., Doylestown, O.
Favorite Stove & Range Co., Piqua, O.
Griswold Mfg. Co., Erie, Pa.
Hall & Carpenter, Phila., Pa. "Crown" (Asbestos)
Health-Maid, Inc., Cleveland, O.
Home Products Co., Cleveland, O.
Jones Hollow Ware Co., Baltimore, Md.
Lalance & Grosjean Mfg. Co., Woodhaven, L. I., N. Y.
Landers, Frary & Clark, New Britain, Conn. (Aluminum)
Marietta Hollow Ware & Enameling Co., Marietta, Pa.
National Aluminum Mfg. Co., Peoria, Ill.
National Enameling & Stamping Co., Milwaukee, Wis.
National Pressure Cooker Co., Eau Claire, Wis.
New York Stamping Co., N. 11th & Berry, B'klyn, N. Y. "Empire"
Revere Brass & Copper Co., 230 Park Av., New York, N. Y.
Standard Gas Equipment Corp., 18 E. 41st, New York, N. Y. "Vulcan"
Star Mfg. Co., Inc., St. Louis, Mo.
Stuart & Peterson Co., Burlington, N. J.
Wagner Mfg. Co., Sidney, O.
West Bend Aluminum Co., West Bend, Wis.
Wheeling Corrugating Co., Wheeling, W. Va. "Regal," "Royal"

GRIDDLES, Soapstone

Alberene Stone Co., 153 W. 23rd, New York, N. Y.
Hodges (Wm.) Co., Phila., Pa.
Norton Pike Co., Pike, N. H.
Union Soapstone Co., Boston, Mass.
Vermont Soapstone Co., Perkinsville, Vt.

GRIDDLES, Steel—See Griddles, Iron, Steel, Etc.

GRIDS, Camp

Parker Wire Goods Co., Worcester, Mass.
Union Steel Products Co., Albion, Mich.
United Steel & Wire Co., Battle Creek, Mich.

GRILLES, Ornamental

Auer Register Co., Cleveland, O.
Detroit Hdw. Mfg. Co., Detroit, Mich.
Fiske (J. W.) Iron Wks., 78 Park Pl., New York, N. Y.
Hart & Cooley Mfg. Co., Chicago, Ill.
Independent Register & Mfg. Co., Cleveland, O.
Mesker Bros. Iron Co., St. Louis, Mo.
Metalace Corp., South Boston, Mass. "Conegraille"
Meyers (Fred J.) Mfg. Co., Hamilton, O. "Meyco"
Micklin Mfg. Co., Omaha, Neb.
Mueller (L. J.) Furnace Co., Milwaukee, Wis.
Stewart Iron Wks. Co., Inc., 814 Stewart Block, Cincinnati, O.
Tuttle & Bailey Mfg. Co., 70 Berry, B'klyn, N. Y.

GRILLES, Radiator Enclosures

Auer Register Co., Cleveland, O.
Harrington & King Perforating Co., Chicago, Ill.
Hubeny Brothers, Inc., Roselle, N. J.
Philadelphia Hdw. & Malleable Iron Wks., Inc., Phila., Pa.
Tuttle & Bailey Mfg. Co., 70 Berry, B'klyn, N. Y.

GRILLES, Screen Door

Everedy Co., Frederick, Md.
Fiske (J. W.) Iron Wks., 78 Park Pl., New York, N. Y.
Fiwale Equipment Mfg. Co., Inc., 64 Reade, New York, N. Y.
Holden (A. S.), Inc., Cleveland, O.
Hutchinson & Co., Dallas, Texas. "Scro-Grill"
Logan Co., Louisville, Ky. "Adjust-O-Grille"
Meyers (Fred. J.) Mfg. Co., Hamilton, O. "Meyco"
Micklin Mfg. Co., Omaha, Neb.
Mid-West Metal Products Co., Muncie, Ind.
Secur-O-Gard Corp., 23 E. Jackson Blvd., Chicago, Ill.

GRILLES—See Iron Work, Ornamental

GRILLS, Electric

American Electrical Heater Co., Detroit, Mich. "American Beauty"
Armstrong Appliance Corp., Huntington, W. Va. "Junior"
Beardsley & Wolcott Mfg. Co., Waterville, Conn. "Torrid"
Chicago Flexible Shaft Co., Chicago, Ill. "Sunbeam"
Edison (Thos. A.), Inc., Orange, N. J. "Edicraft" (Sandwich)
Fitzgerald Mfg. Co., Torrington, Conn. "Star-Rite"
General Electric Co., Bridgeport, Conn. "Hot Point"
Griswold Mfg. Co., Erie, Pa.
Keene (O. S.) Machine Co., Anderson, Ind.
Knapp-Monarch Co., Belleville, Ill. "Therm-a-Hot" (Sandwich)
Landers, Frary & Clark, New Britain, Conn. "Universal"
Mabey Electric & Mfg. Co., Indianapolis, Ind.
Made-Rite Mfg. Co., Sandusky, O. "O'Kay"
Manning-Bowman & Co., Meriden, Conn.
Metal Ware Corp., Two Rivers, Wis. "Empire"
National Enameling & Stamping Co., Milwaukee, Wis. "Bak-O-Grill," "Nesco"
National Stamping & Elec. Wks., Chicago, Ill. "White Cross"
Robeson-Rochester Corp., Rochester, N. Y. "Royal Rochester"
Rutenber Electric Co., Marion, Ind. "Marion"
Samson-United Corp., Rochester, N. Y.
Star Mfg. Co., Inc., St. Louis, Mo. "Quik-Serv"
Superior Electric Products Corp., St. Louis, Mo. "Super Lectric"
Swartzbaugh Mfg. Co., Toledo, O. "Everhot"
Westinghouse Elec. & Mfg. Co., Mansfield, O. (Sandwich)

GRIND STONES—See Stones, Grind

GRINDERS, Bench

Algoma Fdry. & Mach. Co., Algoma, Wis.
Athol Mach. & Foundry Co., Athol, Mass.
Blount (J. G.) Co., Everett, Mass.
Bridgeport Safety Emery Wheel Co., Bridgeport, Conn. "Safety"
Canedy-Otto Mfg. Co., Chicago Heights, Ill.
Central Mach. Wks. Co., Minneapolis, Minn.
Champion Blower & Forge Co., Lancaster, Pa.
Cheney (S.) & Son, Manlius, N. Y. "Royal"
Chicago Flexible Shaft Co., Chicago, Ill. "Stewart"
Cincinnati Electrical Tool Co., Cincinnati, O.
Clizbe Bros. Mfg. Co., Plymouth, Ind. "Crown"
Cream City Tool & Mfg. Co., Milwaukee, Wis. "Universal"
Dallett (Thos. H.) Phila., Pa.
Forbes & Myers, Worcester, Mass.
General Grinder Corp., Milwaukee, Wis.
Hisey-Wolf Mach. Co., Cincinnati, O.
Keystone Grinder & Mfg. Co., Pittsburgh, Pa. "Rex," "Midget"
Louisville Electric Mfg. Co., Inc., Louisville, Ky. "Pioneer"
Luther Grinder & Tool Co., 145 W. Seeboth, Milwaukee, Wis. "Dimo-Grit," "Milwaukee"
Marathon Electric Mfg. Co., Warsaw, Wis. "OK"
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Modern Grinder Mfg. Co., Milwaukee, Wis. "Modern Jr."
Neil & Smith Electric Tool Co., Cincinnati, O. "Ideal"
North Wales Mach. Co., North Wales, Pa.
Norton Co., Worcester, Mass.
Norton Pike Co., Pike, N. H. "Bevelrite," "G-Whiz"
Partridge, Edw. O., Chicago, Ill.
Peerless Electric Co., Warren, O.
Prairie du Chien Tool Co., Prairie du Chien, Wis. "Sturdibilt"
Rivet Lathe & Grinder Co. (Brighton), Boston, Mass.
Rock Island Mfg. Co., Rock Island, Ill.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
St. Louis Mach. Tool Co., St. Louis, Mo.
Safety Emery Wheel Co., Springfield, O.
Schauer Machine Co., Cincinnati, O.
Sellew Mach. Tool Co., Pawtucket, R. I.
SpeedWay Mfg. Co., Cicero, Ill.
Springfield Mfg. Co., Bridgeport, Conn.
Standard Electric Tool Co., Cincinnati, O.
Stanley Electric Tool Co., New Britain, Conn.
Stearns (E. C.) & Co., Syracuse, N. Y.
Stow Mfg. Co., Inc., Binghamton, N. Y.
Tanite Co, Stroudsburg, Pa.
Thomas & Nye, Inc., Warren, O. "De Luxe," "Premier"
Tobrin Tool Co., Plantsville, Conn.
United States Electrical Tool Co., Cincinnati, O.
Van Dorn Electric Tool Co., Towson, Md.
Vitrified Wheel Co., Westfield, Mass.
Walker-Turner Co., Inc., Plainfield, N. J. "Driver"
Wallace (J. D.) & Co., Chicago, Ill.
Wappat, Inc., Div. of Simonds Saw & Steel Co., Pittsburgh, Pa. "Red Streak"
Webster & Perks Tool Co., Springfield, O. "W. & P."
Wood (A. A.) & Sons Co., Atlanta, Ga. "Atlanta"

GRINDERS, Coffee—See Mills, Coffee

GRINDERS, Disc

Besley Machine Co., Chicago, Ill.
Bridgeport Eng'g Co., Bridgeport, Conn.
Champion Blower & Forge Co., Lancaster, Pa.
Cutter Machine Co., St. Louis, Mo.
Dallett (Thos. H.) Phila., Pa.
Gardner Machine Co., Beloit, Wis.
Luther Grinder & Tool Co., 145 W. Seeboth, Milwaukee, Wis. "Dimo-Grit"
Prairie du Chien Tool Co., Prairie du Chien, Wis.
Wallace (J. D.) & Co., Chicago, Ill.
Winterhoff Tool & Machine Co., Elkhart, Ind.

GRINDERS, Drill

Luther Grinder & Tool Co., 145 W. Seeboth, Milwaukee, Wis.
Mechanics Tool & Wrench Co., Greenfield, Mass. "Grindwell"
Prairie du Chien Tool Co., Prairie du Chien, Wis.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.

GRINDERS, Electric—See Drills, Grinders and Polishers, Electric Portable

GRINDERS, Foot and Hand Power
(See also Stones, Grind, Power)

Boettcher Co., Chicago, Ill. "Ideal," "Quality"
Cheney (S.) & Son, Manlius, N. Y. "Royal"
Clizbe Bros. Mfg. Co., Plymouth, Ind. "Crown"
General Grinder Corp., Milwaukee, Wis.
Hoppen (J. E.) & Sons, Belleville, N. J.
Keystone Grinder & Mfg. Co., Pittsburgh, Pa. "Rex," "Midget"
Luther Grinder & Tool Co., 145 W. Seeboth, Milwaukee, Wis. "Beauty," "Best-Maide," "Dimo-Special," "Farm Special," "Hummer," "Marvel," "Master," "Mechanics Special," "Milwaukee," "Railway," "Standard"

GRINDERS, Foot and Hand Power (Continued)

Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Modern Grinder Mfg. Co., Milwaukee, Wis.
Mundie Mfg. Co., Peru, Ill. "Cow Boy"
North Wales Mach. Co., North Wales, Pa.
Pennsylvania Stamping Corp., York, Pa.
Norton Pike Co., Pike, N. H. "Artisan," "Domestic," "Greyhound," "Handy Andy," "Household," "Peerless Junior," "Peerless Senior," "Whirlwind"
Prairie du Chien Tool Co., Prairie du Chien, Wis. "Badger," "Sturdibilt," "Utility"
Stanley Wks., New Britain, Conn.
Strong Machinery & Supply Co., 110 E. 23rd, New York, N. Y.
Walker-Turner Co., Inc., Plainfield, N. J.
Wood (A. A.) & Sons Co., Atlanta, Ga. "National"

GRINDERS, Knife

Appleton Mfg. Co., Batavia, Ill.
Avery (B. F.) & Sons, Louisville, Ky. "Champion"
Cheney (S.) & Son, Manlius, N. Y. "Ajax"
Chicago Flexible Shaft Co., Chicago, Ill. "Stewart"
Coldwell Lawn Mower Co., Newburgh, N. Y.
General Grinder Corp., Milwaukee, Wis.
Herschel (R.) Mfg. Co., Peoria, Ill. "New Model," "Osborne"
International Harvester Co. of America, Chicago, Ill. (Mower) "McCormick-Deering"
Kalamazoo Tank & Silo Co., Kalamazoo, Mich.
Lindsay Bros., Milwaukee, Wis.
Luther Grinder & Tool Co., 145 W. Seeboth, Milwaukee, Wis. "Best Maide," "Farm Special," "Hummer," "Jiffy," "New Domestic," "Spartan"
Milwaukee Grinder & Specialties Co., Milwaukee, Wis. "Milwisus"
Modern Grinder Mfg. Co., Milwaukee, Wis.
Norton Pike Co., Pike, N. H. "Bevelrite," "Peerless"
Prairie du Chien Tool Co., Prairie du Chien, Wis.
Sargent, Osgood & Roundy, Randolph, Vt. "Mudgett"
Spengler-Loomis Mfg. Co., Chicago, Ill. "Kwicksharp"
Whitaker Mfg. Co., Chicago, Ill. "Clearing," "Conger," "Jarvis," "Karbo," "Sterling"
Wood (Walter A.) Mowing & Reaping Mach. Co., Hoosick Falls, N. Y.

GRINDERS, Lawn Mower

Coldwell Lawn Mower Co., Newburgh, N. Y.
Fate-Root-Heath Co., 1333 High, Plymouth, O. "Ideal," "Peerless"
Foley Mfg. Co., Minneapolis, Minn. "Justrite"
Luther Grinder & Tool Co., 145 W. Seeboth, Milwaukee, Wis.
Wells Mfg. Co., Greenfield, Mass.

GRINDERS—Mower Knife—See Grinders, Sickle and Mower Knife

GRINDERS, Saw

Covel Mfg. Co., Benton Harbor, Mich.
Greenfield Tap & Die Corp., Greenfield, Mass. "G T D," "Nutter & Barnes"

GRINDERS, Sickle and Mower Knife

Cheney (S.) & Son, Manlius, N. Y. "Farmo No. 8," "Fowler," "Royal"
Cutaway Harrow Co., Higganum, Conn. "Dutton"
Duplex Mill & Mfg. Co., Springfield, O. "Kelley"
General Grinder Corp., Milwaukee, Wis.
Gilson Bolens Mfg. Co., Port Washington, Wis. "Western"
Herschel (R.) Mfg. Co., Peoria, Ill. "New Model"
Hoppen (J. E.) & Sons, Belleville, N. J.
International Harvester Co. of America, Chicago, Ill. "McCormick-Milwaukee"
Kalamazoo Tank & Silo Co., Kalamazoo, Mich.
Luther Grinder & Tool Co., 145 W. Seeboth, Milwaukee, Wis. "Best Maide," "Farm Special," "Hummer," "Moto Wheel," "Spartan,"
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Modern Grinder Mfg. Co., Milwaukee, Wis.
Prairie du Chien Tool Co., Prairie du Chien, Wis. "Sturdibilt"
Richard-Wilcox Mfg. Co., Aurora, Ill. "Velox," "Wilcox"
Rock Island Mfg. Co., Rock Island, Ill. "Royal," "Star"
Wood (Walter A.) Mowing & Reaping Mach Co., Hoosick Falls, N. Y. "Paragon," "Perfect"

GRINDERS, Skate

(See also Sharpeners, Skate)

Bergham Co., Chicago, Ill.
Chicago Roller Skate Co., Chicago, Ill.
Fate-Root-Heath Co., 1333 High, Plymouth, O.
Luther Grinder & Tool Co., 145 W. Seeboth, Milwaukee, Wis. (Electric)
Osborn Mfg. Co., Cleveland, O.

GRINDERS, Tap

Mechanics Tool & Wrench Co., Greenfield, Mass. "Grindwell"

GRINDERS, Tool—See Grinders, Bench

GRINDING COMPOUNDS—See Compounds, Grinding

GRINDING DISCS—See Discs, Abrasive, Coated

GRINDING HEADS—See Heads, Grinding

GRINDING MILLS—See Mills, Grinding

GRINDING PASTES—See Pastes, Emery

GRINDING WHEELS—See Wheels, Grinding

GRINDSTONE FIXTURES—See Fixtures, Grindstone

GRIPS, Athletic

Draper-Maynard Co., Plymouth, N. H.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stall & Dean Mfg. Co., Brockton, Mass.
Wilson-Western Sporting Goods Co., Chicago, Ill.

GRIPS, Golf Club

Argo Specialty Corp., Detroit, Mich.
Crawford-McGregor-Canby Co., Dayton, O.
Howe Tip-Grip Co., Los Angeles, Cal.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Star Grip Mfg. Co., Grand Rapids, Mich.
Williams-Bowman Rubber Co., Chicago, Ill.
Wilson-Western Sporting Goods Co., Chicago, Ill.

GRIPS, Handle, Bicycle and Motorcycle

American Enamel Co., Providence, R. I.
Continental Rubber Works, Erie, Pa. "Vitalic"
Essex Rubber Co., Trenton, N. J.
Federal Rubber Co., Cudahy, Wis.
Goodrich (B. F.) Co., Akron, O.
Goodyear Tire & Rubber Co., Akron, O.
Mattson Rubber Co., Lodi, N. J.
Mesinger (H. & P.) Mfg. Co., 432 Austin Pl. New York, N. Y.
Mueller, L. J., Cleveland, O.
Peckham (O. T.) Co., Grand Rapids, Mich.
Persons Mfg. Co., Worcester, Mass.
Peterlein, C. E., Lodi, N. J.
Piqua Handle & Mfg. Co., Piqua, O.
Stevenson Wks. Co., South Bend, Ind.
Stokes (Jos.) Rubber Co., Trenton, N. J.
United States Rubber Co., 1790 B'way, New York, N. Y.

GRIPS, Handle, Motorcycle—See Grips, Handle, Bicycle and Motorcycle

GRIPS, Non-Skid—See Chains or Grips, Tire, Non-Skid

GRIPS, Pistol

Harrington & Richardson Arms Co., Worcester, Mass.
Johnson's (Iver) Arms & Cycle Wks., Fitchburg, Mass.
Zarefsky (George) Pearl Wks., 174 Worth, New York, N. Y.

GRIT BOXES—See Boxes, Grit

GROCERS' FUNNELS—See Funnels, Household, Grocers', Etc.

GROCERS' MEASURES—See Measures, Household, Grocers', Etc.

GROCERS' SCALES—See Scales, Counter

GROCERS' SCOOPS—See Scoops, Grocers'

GROMMET INSERTING DIES and CUTTERS—See Dies and Cutters, Grommet Inserting

GROMMET SETTING MACHINES

Smith (F. H.) Mfg. Co., Chicago, Ill.

GROMMETS

(See also Eyelets)

American Brass Co., Waterbury, Conn. "Anaconda"
American Ring Co., Waterbury, Conn.
Defiance Button Mach. Co., 43 W. 24th, New York, N. Y.
Judd (H. L.) Co., 87 Chambers, New York, N. Y.
Kirk-Latty Mfg. Co., Cleveland, O.
Laughlin (Thos.) Co., Portland, Me.
Neptune Hdw. Mfg. Co., 80 Warren, New York, N. Y.
Ohio Nut & Bolt Co., Berea, O.
Rimmon Eyelet Co., Seymour, Conn.
Scovill Mfg. Co., Waterbury, Conn.
Stimpson (Edwin B.) Co., 68 Franklin Av., Bklyn., N. Y.
Traut & Hine Mfg. Co., New Britain, Conn.
Waterbury Brass Goods Corp., Waterbury, Conn.
Waterbury Button Co., Waterbury, Conn.
Waterbury Mfg. Co., Waterbury, Conn.
Wilcox, Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.

GROOMING MACHINES, Horse

Gillette Clipping Machine Co., Inc., Dept. A, 129 W. 31st, New York, N. Y.

GROOVING SAWS—See Saws, Grooving

GROUND KEY BIBBS—See Bibbs, Ground Key

GROUND RADIO CLAMP—See Radio Clamps, Ground

GRUB HOES—See Hoes, Grub and Mattocks

GRUB STAKES, Campfire

Campfire Mfg. Co., St. Louis, Mo.
Racine Iron & Wire Wks., Racine, Wis.

GUARDS, Door

Allith-Prouty Co., Danville, Ill.
Badger Wire & Iron Wks., Milwaukee, Wis.
C-K-R Company, Cleveland O. "Handy"
Chase Brass & Copper Co., Waterbury, Conn.
Corbin (P. & F.), New Britain, Conn.
Detroit Hardware Mfg. Co., Detroit, Mich. (Screen)
Frost Electric Screen Co., Spokane, Wash. (Screen)
Garden City Plating & Mfg. Co., Chicago, Ill.
Holden (A. S.) Inc., Cleveland, O.
Imperial Brass Mfg. Co., 1200 W. Harrison Chicago, Ill.
Kees (F. D.) Mfg. Co., Beatrice, Neb.
Lockwood Mfg. Co., So. Norwalk, Conn.
Master Lock Co., 926 Juneau Av., Milwaukee, Wis.
Meyers (Fred J.) Mfg. Co., Hamilton, O. "Meyco"
Milwaukee Stamping Co., Milwaukee, Wis. "Racine"
Monarch Mfg. Co., Detroit, Mich. (Screen)
National Brass Co., Grand Rapids, Mich.
Pressed Metal Products Co., Cleveland, O. (Screen)
Secur-O-Gard Corp., 23 E. Jackson Blvd., Chicago, Ill.
Servidor Co., 101 Park Av., New York, N. Y. "Airo-Gard"
Stanley Wks., New Britain, Conn. (Screen)

GUARDS, Electric Lamp

Appleton Electric Co., Chicago, Ill.
Flexible Steel Lacing Co., Chicago, Ill. "Flexco," "Flexco-Lock"
Hubbell (Harvey) Inc., Bridgeport, Conn.
Morse (Frank W.) Boston, Mass. "Never Break"
Parker Wire Goods Co., Worcester, Mass.
Standard Wire Co., New Castle, Pa. "Justright"
Washburn Company, Worcester, Mass.

GUARDS, Fan

Parker Wire Goods Co., Worcester, Mass.

GUARDS, Flower Bed—See Borders, Flower Bed

GUARDS, Heater

Parker Wire Goods Co., Worcester, Mass.

GUARDS, Ice and Snow, Roof

Badger Wire & Iron Wks., Milwaukee, Wis.
Chase Brass & Copper Co., Waterbury, Conn.
Cleveland Wire Spring Co., Cleveland, O.
Danzer Metal Wks., Hagerstown, Md.
Edwards Mfg. Co., Cincinnati, O.
Folsom Snow Guard Co., Boston, Mass.
Hamblin & Russell Mfg. Co., Worcester, Mass. "Brace," "Standard"
Hunt Metal Corner Bead Co., Lowell, Mass.
Merchant & Evans Co., Phila., Pa.
Mullet, J. D., Orrville, O.
Parker Wire Goods Co., Worcester, Mass.
Peter (F. N.) & Bro., Newside, Pa. "Never Break"
Rochester Brass & Wire Wks., Co., Rochester, N. Y.
Sieger, Henry N., Slatington, Pa.

GUARDS, Keyhole

Independent Lock Co., Fitchburg, Mass. "Ilco" (Automatic)
Keil (Francis) & Son, Inc., 401 E. 163rd, New York, N. Y.

GUARDS, Leather Runner

Johnson (Nestor) Mfg. Co., Chicago, Ill. "Johnsons"

GUARDS, Leg, Catchers' and Umpires'

Brine (Jas. W.) Co., Boston, Mass.
Draper-Maynard Co., Plymouth, N. H.
Goldsmith (P.) Sons, Cincinnati, O.
Ken-Wel Sporting Goods Co., Utica, N. Y.
National Sporting Goods Mfg. Co., St. Louis, Mo.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Reg'lar Fellers, Cincinnati, O.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stall & Dean Mfg. Co., Brockton, Mass.

GUARDS, Leg, Hockey

Brine (Jas. W.) Co., Boston, Mass.
Draper-Maynard Co., Plymouth, N. H.
Goldsmith (P.) Sons, Cincinnati, O.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stall & Dean Mfg. Co., Brockton, Mass.

GUARDS, Nose

Bouquet-Brownson Co., St. Paul, Minn. "Acorn," "B-Co.," "Flexible"
Brine (Jas. W.) Co., Boston, Mass.
Draper-Maynard Co., Plymouth, N. H.
Goldsmith (P.) Sons, Cincinnati, O.
Mandl, Bernard, Chicago, Ill.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stall & Dean Mfg. Co., Brockton, Mass.

GUARDS, Radiator, Automobile

Stewart Iron Wks. Co., Inc., 814 Stewart Block, Cincinnati, O.

GUARDS, RAZOR—See Razor Guards

GUARDS, Roof—See Guards, Ice and Snow, Roof

GUARDS, Saw

Atkins (E. C.) & Co., Indianapolis, Ind. "AAA"

GUARDS, Shin

Brine (Jas. W.) Co., Boston, Mass.
Draper-Maynard Co., Plymouth, N. H.
Goldsmith (P.) Sons, Cincinnati, O.
Mandl, Bernard, Chicago, Ill.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.) Wright & Ditson, Inc., Phila., Pa.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stall & Dean Mfg. Co., Brockton, Mass.

GUARDS, Shrubbery

Carpenter (F. W.) Mfg. Co., Bridgeport, Conn.

GUARDS, Skylight

Badger Wire & Iron Wks., Milwaukee, Wis.
Meyers (Fred J.) Mfg. Co., Hamilton, O.

GUARDS, Spark, Fireplace
(See also Screens, Fireplace)

Adams Co., Dubuque, Ia.
Audubon Wire Cloth Co., Audubon, N. J.
Boston Brass Andiron Co., Boston, Mass.
Bromwell Wire Goods Co., Cincinnati, O.
Buffalo Wire Wks. Co., Buffalo, N. Y.
Chattanooga Implement & Mfg. Co., Chattanooga, Tenn.
Grand Rapids Wire Products Co., Grand Rapids, Mich.
Howes (S. M.) Co., Boston, Mass.
Jackson (Edwin A.) & Bro., 50 Beekman, New York, N. Y.
Janusch Mfg. Co., 282 E. 135th, New York, N. Y.
Jelliff (C. O.) Mfg. Corp., Southport, Conn.
Logan Co., Louisville, Ky.
Meyers (Fred J.) Mfg. Co., Hamilton, O.
Ohio Foundry & Mfg. Co., Steubenville, O.
Peerless Mfg. Co., Louisville, Ky.
Stover Mfg. & Engine Co., Freeport, Ill.
Wickwire Spencer Steel Co., Inc., 41 E. 42d, New York, N. Y.

GUARDS, Toe, Skate, Racer

Johnson (Nestor) Mfg. Co., Chicago, Ill. "Johnsons"

GUARDS, Tomato—See Supports, Vine, Tomato

GUARDS, Tree

Adams Co., Dubuque, Ia. (Peony)
Blair Tool & Machine Corp., College Point, N. Y.
Brown (H. L.) Fence & Mfg. Co., Cincinnati, O. "Norwood"
Buffalo Wire Wks. Co., Buffalo, N. Y.
Cincinnati Iron Fence Co., Cincinnati, O.
Fiske (J. W.) Iron Wks., 78 Park Pl., New York, N. Y.
Meyers (Fred J.) Mfg. Co., Hamilton, O.
Page Steel & Wire Co., Bridgeport, Conn.
Reynolds Wire Co., Dixon, Ill. "Snap-On"
Robertson (W. F.) Steel & Iron Co., Cincinnati, O. "Norwood"
Smith (F. P.) Wire & Iron Wks., Chicago, Ill.
Stewart Iron Wks. Co., Inc., 814 Stewart Block, Cincinnati, O.
Wickwire Spencer Steel Co., 41 E. 42nd, New York, N. Y.
Wright (G. F.) Steel & Wire Co., Worcester, Mass. "Superior"

GUARDS, Window

Acorn Wire & Iron Wks., Chicago, Ill. "Diamond"
American Safety Lamp & Mine Supply Co., Scranton, Pa.
Audubon Wire Cloth Co., Audubon, N. J.
Badger Wire & Iron Wks., Milwaukee, Wis.
Buffalo Wire Wks. Co., Buffalo, N. Y.
Cincinnati Iron Fence Co., Cincinnati, O.
Columbus Wire & Iron Wks. Co., Columbus, O.
Corbin, P. & F., New Britain, Conn.
Cyclone Fence Co., Waukegan, Ill. "Red Tag"
Darby Steel Equipment Co., Phila., Pa.
Davis & Siehl Co., Cincinnati, O. (Wire and Iron)
Frost Electric Screen Co., Spokane, Wash. (Screen)
Grand Rapids Wire Products Co., Grand Rapids, Mich.
Lockwood Mfg. Co., So. Norwalk, Conn.
Logan Co., Louisville, Ky. (Wire and Iron)
Mesker Bros. Iron Co., St. Louis, Mo.
Meyers (Fred. J.) Mfg. Co., Hamilton, O.
Michigan Wire Cloth Co., Detroit, Mich.
National Brass Co., Grand Rapids, Mich.
Ney Mfg. Co., Canton, O. (Ventilating)
Price-Evans Foundry Corp., Chattanooga, Tenn.
Roebling's (John A.) Sons Co., Trenton, N. J.
Russell & Erwin Mfg. Co., New Britain, Conn. "Russwin"
Secur-O-Gard Corp., 23 E. Jackson Blvd., Chicago, Ill.
Slaymaker Lock Co., Lancaster, Pa.
Smith (F. P.) Wire & Iron Wks., Chicago, Ill. "Josler"
Southern Wire & Iron Works, Atlanta, Ga.
Stewart Iron Wks. Co., Inc., 814 Stewart Block, Cincinnati, O.
Swett (A. L.) Iron Works, Medina, N. Y.
Union Steel Products Co., Albion, Mich.
Wickwire Spencer Steel Co., 41 E. 42nd, New York, N. Y.

GUIDES, Fishing Rod

Abbey & Imbrie, Utica, N. Y.
Horrocks-Ibbotson Co., Dept. S, Utica, N. Y.
Horton Mfg. Co., Bristol, Conn.
Mildrum (W. W.) Jewel Co., East Berlin, Conn.
Montague City Rod Co., Montague City, Mass.
Pepper (J. F.) & Co., Rome, N. Y.
Richardson Rod & Reel Co., Chicago, Ill.
Union Hdw. Co., Torrington, Conn.

GUMMED LABELS—See Labels, Gummed

GUMMED TAPE—See Tape, Gummed

GUMMERS, Saw

Adams (W. T.) Mach. Co., Corinth, Miss.
Ajax Mfg. Co., Pittsburgh, Pa. "Mixter Champion," "Standard"
Atkins (E. C.) & Co., Indianapolis, Ind.
Clizbe Bros. Mfg. Co., Plymouth, Ind. "Crown"
Covel Mfg. Co., Benton Harbor, Mich.
Disston (Henry) & Sons, Inc., (Tacony), Phila., Pa. "Victor"
Fisher & Davis Mfg. Co., St. Louis, Mo.
Gerlach (Peter) Co., Cleveland, O.
Henderson (W. K.) Iron Wks. & Supply Co., Shreveport, La.
Hinds (Thos.) Co., Malone, N. Y.
Howell (R. R.) & Co., Minneapolis, Minn.
Luther Grinder & Tool Co., 145 W. Seeboth, Milwaukee, Wis.
Rogers (Samuel C.) & Co., Buffalo, N. Y.
Southern Saw Wks., East Point, Ga.
Tanite Co., Stroudsburg, Pa. "Densmore"
Valley City Mach. Wks., Grand Rapids, Mich.

GUN BLUERS—See Bluers, Gun

GUN BRUSHES—See Brushes, Firearms

GUN CASES—See Cases, Gun

GUN CLEANERS—See Cleaners, Gun

GUN CLEANING COMPOUNDS—See Compounds, Gun Cleaning

GUN CLEANING RODS—See Rods, Cleaning, Gun

GUN COVERS—See Covers, Gun

GUN GREASES—See Greases, Rifle, Shot Gun, Etc.

GUN OILS—See Oils, Gun

GUN POWDER—See Powder, Gun

GUN RECOIL PADS—See Pads, Gun Recoil

GUN REPAIRERS—See Repairers, Gun

GUN SIGHTS—See Sights, Firearms

GUN SILENCERS—See Silencers, Gun

GUNS, Automatic

Auto-Ordnance Corp., 56 Pine, New York, N. Y. "Thompson"
Colt's Patent Fire Arms Mfg. Co., Hartford, Conn.
Marlin Firearms Corp., New Haven, Conn.

GUNS, Automatic and Rapid Fire, Toy

Bradley (Milton) Co., Springfield, Mass.
Fox Co., Phila., Pa. "Indian Chief," "Western Scout"
Gilbert (A. C.) Co., New Haven, Conn.
Grey Iron Casting Co., Mt. Joy, Pa. (Machine)
Kilgore Mfg. Co., Westerville, O.
Kingston Products Corp., Kokomo, Ind. "Twin-6"
Langson Mfg. Co., Chicago, Ill. "Mack's"
McDowell Mfg. Co., Millvale Station, Pittsburgh, Pa. "Mac"
Mohawk Specialty Co., Columbus, O.
Schoenhut (A.) Co., Phila., Pa.
Steel Stamping Co., Lorain, O.
Upton Machine Co., St. Joseph, Mich.
Victor Inventions Corp., Portland, Ore.

GUNS, DOUBLE STOCK—See Stocks, Guns, Double

GUNS, Insect Powder—See Dusters, Insecticide

GUNS, Pop—See Pop Guns

GUNS, Shot
(See also Rifles)

Baker Gun Co., Norwich, Conn.
Browning Arms Co., St. Louis, Mo.
Crescent-Davis Arms Co., Springfield, Mass. "Ajax," "Empire," "Victor"
Fox Gun Div., Savage Arms Corp., Utica, N. Y. "Sterlingworth," "Sterlingworth De Luxe"
Harrington & Richardson Arms Co., Worcester, Mass.
Hunter Arms Co., Inc., Fulton, N. Y. "Fulton," "L. C. Smith"
Ithaca Gun Co., Ithaca, N. Y.
Johnson's (Iver) Arms & Cycle Wks., Fitchburg, Mass. "Supertrap"
Lefever Arms Co., Inc., Ithaca, N. Y.
Marlin Firearms Co., New Haven, Conn.
Parker (Chas.) Co., Meriden, Conn.
Remington Arms Company, Inc., Bridgeport, Conn. "Sportsman"
Savage Arms Corp., Utica, N. Y. "Fox Double"
Stevens (J.) Arms Co., Chicopee Falls, Mass. "Ajax," "De Luxe," "Premier," "Springfield," "Stevens-Browning"
Winchester Repeating Arms Co., New Haven, Conn.

GUNS, Spray

Beach (Willard C.) Air Brush Co., Harrison, N. J. "Babco"
Binks Mfg. Co., Chicago, Ill. "Thor"
Breuer Electric Mfg. Co., Chicago, Ill. "Tornado"
Crown Spray Gun Mfg. Co., Los Angeles, Cal. "Spra-More"
Deming Co., Salem, O. "Comet"
DeVilbiss Co., Toledo, O.
Dobson, Wm., Canastota, N. Y.
Electric Sprayit Co., South Bend, Ind. "G. U."
Hudson (H. D.) Mfg. Co., Chicago, Ill.
Lowell Specialty Co., Lowell, Mich.
Marion Craftsman Tool Co., Marion, Ind. "Magic"
Metal Specialties Mfg. Co., Chicago, Ill. "Presto"
Milburn (Alexander) Co., Baltimore, Md.
Myers (F. E.) & Bro. Co., Ashland, O.
Rogers Products Co., Inc., 184 Pacific Av., Jersey City, N. J. "Everready"

GUY CLAMPS—See Clamps, Cable

GYMNASIUM APPARATUS—See article desired

GYMNASIUM MATS—See Mats, Gymnasium

GYMNASIUM SHOES—See Shoes, Gymnasium

HACK SAW BLADES—See Saws, Hack

HACK SAW FRAMES—See Frames, Hack Saw

HACKING KNIVES—See Knives, Hacking

HAIR CLIPPERS—See Clippers, Hair

HAIR CLIPPERS, ELECTRIC—See Clippers, Hair, Electric

HAIR DRYERS—See Dryers, Hair

HAIR TWEEZERS—See Tweezers

HALTER CHAINS—See Chains, Halter

HALTER ROPE—See Rope, Halter

HALTERS

Adams Bros. & Co., Utica, N. Y.
Alexandria Halter Factory, Alexandria, O.
Boyt Co., Inc., Des Moines, Ia.
Bridgeport Chain & Mfg. Co., Bridgeport, Conn.
Buffalo Weaving & Belting Co., Buffalo, N. Y.
California Tanning Co., St. Louis, Mo.
Chicago Belting Co., Chicago, Ill.
Covert Mfg. Co., Troy, N. Y.
Dyer Mfg. Co., Milwaukee, Wis. "Shurtide," "Tite Tied"
Gem Hammock & Fly Net Co., Milwaukee, Wis.
Graton & Knight Mfg. Co., Worcester, Mass.
Green Halter Co., Urbana, O.
Illinois Mechanical Leather Co., Chicago, Ill.
National Leather Mfg. Co., Niles, Mich.
Nott (W. S.) Co., Minneapolis, Minn.
Planet Co., Westfield, Mass.
Ross (P.) & Sons, Baltimore, Md.
Rugg (E. T.) & Co., Newark, O.
Standard Belt Co., Chelsea, Mass.
Western Rawhide & Belting Co., Milwaukee, Wis.
Workman, (H. B.) Co., Lititz, Pa.

HALTERS, Bait, Live

Enterprise Mfg. Co., Akron, O.
IXL Mfg. Co., Minneapolis, Minn.

HAM BOILERS—See Kettles, Cast Iron

HAME CHAINS—See Chains, Hame

HAME TRIMMINGS—See Trimmings, Hame

HAMES

American Hame & Bit Co., Newark, N. J.
Kelsey, Newton & Sons, Evansville, Ind.
North & Judd Mfg. Co., New Britain, Conn.
U. S. Hame Co., Buffalo, N. Y.

HAMMER and SCREW DRIVER COMBINATION —See Tools, Combination

HAMMER HANDLES—See Handles, Hickory

HAMMER MOLDS—See Molds, Hammer, Soft Metal

HAMMER, Spring Drills—See Drills, Hammer Spring

HAMMER WEDGES—See Wedges, Axe, Hammer and Hatchet

HAMMERS, Athletic

Girard Iron Wks., Phila., Pa.
Mandl, Bernard, Chicago, Ill.
Medart (Fred) Mfg. Co., St. Louis, Mo.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stall & Dean Mfg. Co., Brockton, Mass.

HAMMERS, BALL PEIN—See Hammers, Machinists'

HAMMERS, Blacksmiths'

Champion-De Arment Tool Co., Meadville, Pa.
Collins Co., Collinsville, Conn. "Legitimus"
Evansville Tool Wks., Inc., Evansville, Ind. "Acme," "Tested"
Heller Bros. Co., 879 Mt. Prospect Av., Newark, N. J.
Iron City Tool Wks., Pittsburgh, Pa.
Kelly Axe & Tool Wks. of American Fork & Hoe Co., Charleston, W. Va. "Flint Edge," "Kelly Perfect," "Vulcan"
Maydole (David) Tool Corp., Norwich, N. Y.
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Stanley Wks., New Britain, Conn. "Stanley-Atha"
Warwood Tool Co., Wheeling, W. Va.

HAMMERS, Boiler Makers'

Evansville Tool Wks., Inc., Evansville, Ind. "Acme," "Tested"
Iron City Tool Wks., Pittsburgh, Pa.
Maydole (David) Tool Corp., Norwich, N. Y.

HAMMERS, Brass

Millers Falls-Goodell Pratt Co., Greenfield, Mass.

HAMMERS, Brick—See Hammers, Bricklayers'

HAMMERS, Bricklayers'

Drew (C.) & Co., Kingston, Mass.
Evansville Tool Wks., Inc., Evansville, Ind. "Tested"
Griffith Tool Wks., Phila., Pa. "Franklin," "Germantown"
Hammond (C.) & Son, Inc., Elkins Park, Pa.
Iron City Tool Wks., Pittsburgh, Pa.
Kelly Axe & Tool Wks. of American Fork & Hoe Co., Charleston, W. Va.
Maydole (David) Tool Corp., Norwich, N. Y.
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Phillips, Chas. J., Baltimore, Md.
Plomb Tool Co., Los Angeles, Cal.
Plumb (Fayette R.), Inc., Phila., Pa.
Rose (Wm.) & Bros., Sharon Hill, Pa.
Stanley Wks., New Britain, Conn "Stanley-Atha"
U. S. Hame Co., Buffalo, N. Y. "Warner"
Vaughan & Bushnell Mfg. Co., Chicago, Ill. "V. & B."

HAMMERS, Chipping

Evansville Tool Wks., Inc., Evansville, Ind. "Tested"
Griffith Tool Wks., Phila., Pa. "Franklin," "Germantown"
Hammond (C.) & Son, Inc, Inc., Elkins Park, Pa.
Maydole (David) Tool Corp., Norwich, N. Y.
Milwaukee Tool & Forge Co., S. Milwaukee, Wis.
Stanley Wks., New Britain, Conn. "Stanley-Atha"
Vaughan & Bushnell Mfg. Co., Chicago, Ill.
Warren Tool & Forge Co., Warren, O.

HAMMERS, Concrete—See Hammers, Electric, Portable

HAMMERS, Electric Portable

Black & Decker Mfg. Co. (Towson Heights), Baltimore, Md.
Chicago Pneumatic Tool Co., 6 E. 44th, New York, N. Y. "Boyer," "Little Giant"
National Electric Mfg. Co., Pittsburgh, Pa. "Synthron"
Ryerson (Jos. T.) & Son, Chicago, Ill.
Speedway Mfg. Co., Cicero, Ill.
Stanley Electric Tool Co., New Britain, Conn. "Ajax"
Van Dorn Electric Tool Co., Towson, Md.

HAMMERS, Engineers'

Billings & Spencer Co., Hartford, Conn.
Champion-De Arment Tool Co., Meadville, Pa.
Evansville Tool Wks., Inc., Evansville, Ind. "Acme," "Tested"
Fairmount Tool & Forging Co., Cleveland, O.
Hammond (C.) & Son, Inc., Elkins Park, Pa.
Heller Bros. Co., 879 Mt. Prospect Av., Newark, N. J.
Hubbard Co., Pittsburgh, Pa.
Iron City Tool Wks., Piitsburgh, Pa.
Kelly Axe & Tool Wks. of American Fork & Hoe Co., Charleston, W. Va. "Flint Edge," "Kelly Perfect," "Vulcan"
Maydole (David) Tool Corp., Norwich, N. Y.
Milwaukee Tool & Forge Co., S. Milwaukee, Wis.
Plumb (Fayette R.), Inc., 4837 James, Phila., Pa.
Prentiss Vise Co., Little Falls, N. Y. "Cheney"
Stanley Wks., New Britain, Conn. "Stanley-Atha"
Warren Tool & Forge Co., Warren, O. "Quikwerk"

HAMMERS, Farriers'

Champion-De Arment Tool Co., Meadville, Pa. "Clean Claw," "Critics," "Driving," "Maud S," "Scotch"
Evansville Tool Wks., Inc., Evansville, Ind. "Acme," "Tested"
Hammond (C.) & Son, Inc., Elkins Park, Pa.
Heller Bros. Co., 879 Mt. Prospect Av., Newark, N. J. "Rubberi"
Kelly Axe & Tool Wks., of American Fork & Hoe Co., Charleston, W. Va.
Maydole (David) Tool Corp., Norwich, N. Y.
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Plumb (Fayette R.), Inc., Phila., Pa.
Prentiss Vise Co., Little Falls, N. Y. "Cheney"
Stanley Wks., New Britain, Conn. "Stanley-Atha"
Vaughan & Bushnell Mfg. Co., Chicago, Ill.

HAMMERS, Glaziers'

Smith (Landon P.), Inc., Irvington, N. J. "Red Devil"

HAMMERS, Heavy

Champion-De Arment Tool Co., Meadville, Pa.
Evansville Tool Wks., Inc., Evansville, Ind. "Acme," "Tested"
Granite City Tool Co., Inc., Barre, Vt.
Heller Bros. Co., 879 Mt. Prospect Av., Newark, N. J. "Rubberi"
Hubbard & Co., Pittsburgh, Pa.
Iron City Tool Wks., Pittsburgh, Pa.
Isele (A. W.) & Son, Boston, Mass.
Klein-Logan Co., Pittsburgh, Pa.
Maydole (David) Tool Corp., Norwich, N. Y.
Plumb (Fayette R.) Inc., Phila., Pa.
Prentiss Vise Co., Little Falls, N. Y. "Cheney"
Racky, Albert C., Chicago, Ill.
Stanley Wks., New Britain, Conn. "Stanley-Atha"
Vaughan & Bushnell Mfg. Co., Chicago, Ill. "V. & B."
Warren Tool & Forge Co. Warren, O. "Quikwerk"
Warwood Tool Co., Wheeling, W. Va.
What Cheer Tool Co., What Cheer, Ia.
Wooding-Verona Tool Wks., Verona, Pa.

HAMMERS, Horseshoers'—See Hammers, Farriers'

HAMMERS, Machinists'

Barcalo Mfg. Co., Buffalo, N. Y.
Belden Mach. Co., New Haven, Conn. "Bel-den," "Universal"
Billings & Spencer Co., Hartford, Conn.
Buffum (Frank G.) Mfg. Co., Louisiana, Mo.
Champion-De Arment Tool Co., Meadville, Pa.
Chicago Tool & Kit Mfg. Co., Chicago, Ill. "C. T. K."
Collins Co., Collinsville, Conn. "Legitimus"
Dallett (Thos. H.) Co., Phila., Pa.
Edelmann (E.) & Co., Chicago, Ill. "Han-D," "Multex"
Evansville Tool Wks., Inc., Evansville, Ind. "Acme," "Tested"
Fairmount Tool & Forging Co., Cleveland, O.
Gray Iron Fdry. Co., Reading, Pa. "Sure Strike"
Hammond (C.) & Son, Inc., Elkins Park, Pa.
Heller Bros. Co., 879 Mt. Prospect Av., Newark, N. J. "Rubberi"
Hubbard Co., Pittsburgh, Pa.
Hyde Park Mfg. Co., Bernharts, Pa.
Kelly Axe & Tool Wks. of American Fork & Hoe Co., Charleston, W. Va. "Flint Edge," "Kelly Perfect," "Vulcan"
McKaig-Hatch Co., Inc., Buffalo, N. Y.
Marion Craftsmen Tool Co., Marion, Ind.
Maydole (David) Tool Corp., Norwich, N. Y. "Norwich"
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Milwaukee Tool & Forge Co., Milwaukee, Wis.
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Phoenix Hdw. Mfg. Co., Buffalo, N. Y.
Plumb (Fayette R.), Inc., Phila., Pa.
Prentiss Vise Co., Little Falls, N. Y. "Cheney"
Southington Mfg. Co., Southington, Conn. "Pioneer"
Stanley Wks., New Britain, Con. "Stanley-Atha"
U. S. Hame Co., Buffalo, N. Y. "Warner"
Vaughan & Bushnell Mfg. Co, Chicago, Ill. "V & B"
Vlchek Tool Co., 3006 E. 87th, Cleveland, O.

HAMMERS, Magnetic—See Hammers, Tack, Magnetic

HAMMERS, Masons'

Drew (C.) & Co., Kingston, Mass.
Fairmount Tool & Forging Co., Cleveland, O.
Granite City Tool Co., Inc., Barre, Vt.
Iron City Tool Wks., Pittsburgh, Pa.
Maydole (David) Tool Corp., Norwich, N. Y.
Phillips, Chas. J., Baltimore, Md.
Rose (Wm.) & Bros., Sharon Hill, Pa.
Stanley Wks., New Britain, Conn. "Stanley-Atha"
Vulcan Tool Mfg. Co., Quincy, Mass.
Warwood Tool Co., Wheeling, W. Va.

HAMMERS, Nail

Arcade Mfg. Co., Freeport, Ill.
Champion-De Arment Tool Co., Meadville, Pa. "Mead"
Chicago Tool & Kit Mfg. Co., Chicago, Ill.
Chisel-Edge Claw Hammer Co., Hoboken, N. J. (Combination Claw and Chisel-Edge)
Collins Co., Collinsville, Conn. "Legitimus"
Ennis Mfg. Co., Reading, Pa.
Estwing Mfg. Co., Rockford, Ill. "Unbreakable"
Evansville Tool Wks., Inc., Evansville, Ind. "Acme," "Crescent," "Molly," "Red Tip," "Tested"
Franklin Tool Co., Buffalo, N. Y.
Gray Iron Fdry. Co., Reading, Pa. "Cracker Jack," "Sure Strike"
Grey Iron Casting Co., Mt. Joy, Pa.
Griffith Tool Wks., Phila., Pa. "Franklin," "Germantown"
Hammond (C.) & Son, Inc., Elkins Park, Pa. "Tacony"
Heller Bros. Co., 879 Mt. Prospect Av., Newark, N. J. "Rubberi" (Shock Absorber)
Kelly Axe & Tool Wks. of American Fork & Hoe Co., Charleston, W. Va. "Falls City," "Flint Edge," "Hand Made," "Perfect," "Vanadium," "Vulcan"
Marion Craftsman Tool Co., Marion, Ind. "Matowoc"
Maydole (David) Tool Corp., Norwich, N. Y. "D. M. T.," "Norwich," "Octole"
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Phoenix Hdw. Mfg. Co., Buffalo, N. Y.
Plumb (Fayette R.), Inc., Phila., Pa.
Prentiss Vise Co., Little Falls, N. Y. "Cheney," "Mohawk" (Nail Holder & Puller)
Rubinow Edge Tool Wks., 35 Vesey, Newark, N. J.
Sargent & Co., New Haven, Conn.
Stanley Wks., New Britain, Conn. "Stanley-Atha"
Stover Mfg. & Engine Co., Freeport, Ill. "Ideal"
U. S. Hame Co., Buffalo, N. Y. "Warner"
United States Lock & Hdw. Co., Columbia, Pa.
Up-to-Date Machine Wks., Chicago, Ill.
Vaughan & Bushnell Mfg. Co., Chicago, Ill. "V & B"
Vlchek Tool Co., 3006 E. 87th, Cleveland, O.
Winchester Repeating Arms Co., New Haven, Conn.
Wrightsville Hdwe. Co., Wrightsville, Pa.

HAMMERS, Patternmakers'

Maydole (David) Tool Corp., Norwich, N. Y.

HAMMERS, Plow—See Hammers, Engineers'

HAMMERS, Prospecting

Evansville Tool Wks., Inc., Evansville, Ind. "Tested"
Maydole (David) Tool Corp., Norwich, N. Y.
Plomb Tool Co., Los Angeles, Cal.
Prentiss Vise Co., Little Falls, N. Y. "Cheney"
Stanley Wks., New Britain, Conn. "Stanley-Atha"

HAMMERS, Riveting

Buffum (Frank G.) Mfg. Co., Louisiana, Mo.
Champion-De Arment Tool Co., Meadville, Pa.
Evansville Tool Wks., Inc., Evansville, Ind. "Tested"
Gray Iron Fdry. Co., Inc., Reading, Pa.
Hammond (C.) & Son, Inc., Elkins Park, Pa.
Iron City Tool Wks., Pittsburgh, Pa.
Maydole (David) Tool Corp., Norwich, N. Y.
Osborne (C. S.) & Co., Box 183, Newark, N. J.
Plumb (Fayette R.) Inc., Phila., Pa.
Prentiss Vise Co., Little Falls, N. Y. "Cheney"
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Stanley Wks., New Britain, Conn. "Stanley-Atha"
U. S. Hame Co., Buffalo, N. Y. "Warner"

HAMMERS, Saw Setting

Atkins (E. C.) & Co., Indianapolis, Ind. "A. A. A." (Saw Makers)
Covel Mfg. Co., Benton Harbor, Mich.
Disston (Henry) & Son, Inc., (Tacony), Phila., Pa.
Fisher & Norris, Trenton, N. J.
Iron City Tool Wks., Pittsburgh, Pa.
Menominee Saw Co., Menominee, Mich.
Ohlen-Bishop Co., Columbus, O.
Prentiss Vise Co., Little Falls, N. Y. "Cheney"
Simonds Saw & Steel Co., Fitchburg, Mass.

HAMMERS, Shoemakers'

Champion-De Arment Tool Co., Meadville, Pa.
Evansville Tool Wks., Inc., Evansville, Ind. "Acme," "Tested"
Fate Root-Heath Co., 1333 High, Plymouth, O.
Gray Iron Fdry. Co., Reading, Pa. "Sure Strike"
Grey Iron Casting Co., Mt. Joy, Pa.
Griffith Tool Wks., Phila., Pa. "Germantown"
Hammond (C.) & Son, Inc., Elkins Park, Pa.
Kupferle (John C.) Foundry Co., St. Louis, Mo. "Eclipse"
Osborne (C. S.) & Co., Box 183, Newark, N. J.
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Sargent & Co., New Haven, Conn.
Star Heel Plate Co., Louis Sacks, Inc., 357 Wilson Av., Newark, N. J.
Stover Mfg. & Engine Co., Freeport, Ill. "Ideal"
U. S. Lock & Hdw. Co., Columbia, Pa.
Williams (A. C.) Co., Ravenna, O.
Wrightsville Hdw. Co., Wrightsville, Pa.

HAMMERS, Slaters'—See Tools, Roofing

HAMMERS, Soft Metal

Graham (James) & Co., New Haven, Conn.
Husky Corp., Kenosha, Wis. (Lead and Copper)
Universal Equalizer Co., Cincinnati, O.
Williams (E. A.) & Son, 105 Plymouth, Jersey City, N. J.

HAMMERS, Stone Cutters'

(See also Mallets, Stone Cutters')

Brunner & Lay, Chicago, Ill.
Collins Co., Collinsville, Conn. "Legitimus"
Dallett (Thos. H.) Co., Phila., Pa.
Evansville Tool Wks., Inc., Evansville, Ind. "Tested"
Granite City Tool Co., Inc., Barre, Vt.
Hubbard & Co., Pittsburgh, Pa.
Iron City Tool Wks., Pittsburgh, Pa.
Isele (A. W.) & Son, Boston, Mass.
Klein-Logan Co., Pittsburgh, Pa.
Livingston Mfg. Co., Rockland, Me.
Mack & Co., Rochester, N. Y. "D. R. Barton"
Maydole (David) Tool Corp., Norwich, N. Y.
Plumb (Fayette R.), Inc., Phila., Pa.
Prentiss Vise Co., Little Falls, N. Y. "Cheney"
Stanley Wks., New Britain, Conn. "Stanley-Atha"
Trow & Holden Co., Barre, Vt.
Vozi Tool Co., Kansas City, Mo.
Vulcan Tool Mfg. Co., Quincy, Mass.
Warren Tool & Forge Co., Warren, O. "Quikwerk"
Warwood Tool Co., Wheeling, W. Va.

HAMMERS, Tack

Arcade Mfg. Co., Freeport, Ill.
Evansville Tool Wks., Inc., Evansville, Ind. "Acme," "Tested"
Gray Iron Fdry Co., Reading, Pa. "Sure Strike"
Grey Iron Casting Co., Mt. Joy, Pa.
Hammond (C.) & Son, Inc., Elkins Park, Pa.
Maydole (David) Tool Corp., Norwich, N. Y.
Osborne (C. S.) & Co., Box 183, Newark, N. J.
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Prentiss Vise Co., Little Falls. N. Y. "Cheney"
Roberston, Arthur R., 596 Atlantic Av., Boston, Mass. "Horseshoe Magnet"
Sargent & Co., New Haven, Conn.
Sayre (L. A.) Co., 332 Mulberry, Newark, N. J.
Stanley Wks., New Britain, Conn. "Stanley-Atha"
Stover Mfg. & Engine Co., Freeport, Ill.
U. S. Hame Co., Buffalo. N. Y. "Warner"
Vaughan & Bushnell Mfg. Co., Chicago, Ill.
Williams (A. C.) Co., Ravenna, O.
Wrightsville Hdw. Co., Wrightsville, Pa. "Brighton"

HAMMERS, Tack, Magnetic

Arcade Mfg. Co., Freeport, Ill.
Fairmont Tool & Forging Co., Cleveland, O.
Hyde Mfg. Co., Southbridge, Mass.
Marion Craftsman Tool Co., Marion, Ind.
Osborne (C. S.) & Co., Box 183, Newark, N. J.
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Ridgely Trimmer Co., Springfield, O.
Robertson, Arthur R., 596 Atlantic Av., Boston, Mass. "Horseshoe Magnet"
Sayre (L. A.) Co., Newark, N. J.
Stanley Wks., New Britain, Conn. "Stanley-Atha"
Taplin Mfg. Co., New Britain, Conn. "Victor"

HAMMERS, Tile Setters'

Drew (C.) & Co., Kingston, Mass.
Kilborn & Bishop Co., New Haven, Conn. "Green Line"
Maydole (David) Tool Corp., Norwich, N. Y.
Rose (Wm.) & Bros., Sharon Hill, Pa.
U. S. Hame Co., Buffalo, N. Y. "Warner"

HAMMERS, Tinners'

Champion-De Arment Tool Co., Meadville, Pa.
Evansville Tool Wks., Inc., Evansville, Ind. "Acme," "Tested"
Hammond (C.) & Son, Inc., Elkins Park, Pa.
Heller Bros. Co., 879 Mt. Prospect Av. Newark, N. J.
Maydole (David) Tool Corp., Norwich, N. Y.
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Plomb Tool Co., Los Angeles, Cal.
Plumb (Fayette R.), Inc., Phila., Pa.
Prentiss Vise Co., Little Falls, N. Y. "Cheney"
Stanley Wks., New Britain, Conn. "Stanley-Atha"
U. S. Hame Co., Buffalo, N. Y. "Warner"
Vaughan & Bushnell Mfg. Co., Chicago, Ill.

HAMMERS, Upholsterers'

Arcade Mfg. Co., Freeport, Ill.
Beardsley & Wolcott Mfg. Co., Waterville, Conn.
Dicke Tool Co., Downers Grove, Ill.
Gray Iron Fdry Co., Reading, Pa. "Sure Strike"
Grey Iron Casting Co., Mt. Joy, Pa.
Johnson (William), Inc., 36 Brenner, Newark, N. J.
Kraeuter & Co., 583 18th Av., Newark, N. J.
Osborne (C. S.) & Co., Box 183, Newark, N. J.
Peck, Stow & Wilcox Co., Southington, Conn.
Prentiss Vise Co., Little Falls, N. Y. "Cheney"
Robertson, Arthur R., 596 Atlantic Av., Boston, Mass. "Horseshoe Magnet"
Sayre (L. A.) Co., 332 Mulberry, Newark, N. J.
Stanley Wks., New Britain, Conn. "Stanley-Atha"
Stover Mfg. & Engine Co., Freeport, Ill.
Vlchek Tool Co., 3006 E. 87th, Cleveland, O.
Williams (A. C.) Co., Ravenna, O.
Wrightsville Hdw. Co., Wrightsville, Pa. "Brighton"

HAMMERS, Wooden—See Mallets, Wooden

HAMMOCK CHAINS—See Chains, Hammock

HAMMOCK HOOKS—Seek Hooks, Hammock

HAMMOCKS

Alward-Anderson Southard Co., Chicago, Ill.
Atlanta Tent & Awning Co., Atlanta, Ga.
Atlas Hammock Co., 53 E. 25th, New York, N. Y. "Davenport Glider"
Barcalo Mfg. Co., Buffalo, N. Y.
Berg (F. O.) Co., Spokane, Wash.
Couch Bros. Mfg. Co., Atlanta, Ga. (Jail)
Fowler Net & Twine Co., Phila., Pa.
Fulton Bag & Cotton Mills, Inc., 330 Wythe Av., Bklyn., N. Y. (Duck)
Gem Hammock & Fly Net Co., Milwaukee, Wis.
Gold Medal Camp Furniture Mfg. Co., Racine, Wis. "Knowlton"
Goodall Hammock Co., Westbrook, Me.
Hettrick Mfg. Co., Toledo, O.
La Crosse Hammock Wks., La Crossee, Wis.
Lack Mfg. Co., Paducah, Ky. "Kumfy"
Palmer (I. E.) Co., Middletown, Conn. "Arawanas"
Rowe (E. L.) & Son, Gloucester, Mass. "Gloucester"
St. Charles Net & Hammock Co., St. Charles, Ill.
Sheboygan Coaster & Wagon Wks., Sheboygan, Wis.
Shoyer (D. W.) & Co., 394 B'way, New York, N. Y. "Acme"
Warren Mfg. Co., Warren, Md.
Werner Canvas Products Co., 2 Water, Bklyn., N. Y.
Wheeler & Wilson, Boston Mass. "North Shore"

HAMMOCKS, Automobile, Baby

Atlas Hammock Co., 53 E. 25th, New York, N. Y.
Gordon Motor Crib Co., Chicago, Ill.
Market Forge Co., Everett, Mass.
Perfection Mfg. Co., St. Louis, Mo. "Rock-a-Bye"
Standley Skid Chain Co., Boone, Ia.

HAMMOCKS, Doll

Gem Hammock & Fly Net Co., Milwaukee, Wis.
International Mfg. Co., Boston, Mass.
Triumph Couch Bed Co., Jamaica Plain, Mass.

HAMPERS, BASKETS and BOXES, Lunch

Ajax Trunk & Sample Case Co., 418 W. 25th, New York, N. Y.
American Thermos Bottle Co., 366 Madison Av., New York, N. Y. "Icy-Hot," "Thermo" (Kits)
Berg Auto Trunk & Specialty Co., 39 W. 32nd, New York, N. Y. "Campo"
Burlington Basket Co., Burlington, Ia. "Hawkeye"
Ennis Mfg. Co., Reading, Pa.
Fibre Specialty Mfg. Co., Kennett Sq., Pa.
Guile & Wingnagel Co., Penn Yan, N. Y.
Handy-Andy Specialty Co., Inc., 39-40 22nd, Long Island City, N. Y.
Katz Bros. Leather Goods Co., Van Wert, O.
Kennedy Mfg. Co., Van Wert, O.
Knickerbocker Case Co., Chicago, Ill. "Made-Right"
Landers, Frary & Clark, New Britain, Conn. "Stanley," "Universal" (Lunch Kits)
Leipzig (A.) Inc., 53 W. 23rd, New York, N. Y.
Manning, Bowman & Co., Meriden, Conn. (Lunch Boxes)
Maus (Geo. H.), Amsterdam, N. Y. "Gold Medal" (Bamboo)
Milwaukee Basket Co., South Milwaukee, Wis.
North Star Specialty Mfg. Co., Minneapolis, Minn. "Re-Ly-O"
Orne Auto Diner Co., Everett, Wash.
Oxford Basket & Mfg. Co., Oxford, N. Y.
Prentiss Wabers Stove Co., Grand Rapids, Mich. "Moats"
Redmon (W. C.) Sons & Co., Peru, Ind.
Refrigo Auto Chest Co., Iron River, Mich.
Rolfsen Auto Truck Co., Ludlow, Ky.
Rumpp (C. F.) & Sons, Phila., Pa.
Seitz (J. H.) & Son, Phila., Pa.
Seward Trunk & Bag Co., Petersburg, Va.
Shelton Basket Co., Shelton, Conn.
Solar-Sturges Mfg. Co., Congress St., Chicago, Ill.
Triangle Holding Corp., Detroit, Mich. "Auto-Dinette"
Wabash Basket Co., Converse, Ind.
Warren Leather Goods Co., Worcester, Mass.
Wilder Mfg. Co., 876 Pacific, Bklyn., N. Y.
Winship, W. W., Boston, Mass.
Zinn (Chas.) & Co., 16 E. 15th, New York, N. Y.

HAMPERS, Clothes

(See also Baskets, Clothes)

Atlas Tinware Co., 2472 3rd Av., New York, N. Y.
Baibe Basket Co., Somerville, Mass.
Bell Wire & Metal Goods Co., Boston, Mass. "Binet" (Metal)
Burlington Basket Co., Burlington, Ia. "Hawkeye"
Conant Bros., Somerville, Mass.
Erie Art Metal Co., Erie, Pa.
Gleitsman's, Inc., Glendale, N. Y. "Pearl-Wick-Ware"
Hemp & Co., Corp., St. Louis, Mo. (Metal)
Lawson (F. H.) Co., Cincinnati, O. "Lawco"
Luke Basket Co., Berrien Springs, Mich.
Master Metal Products, Inc., Buffalo, N. Y. "Waystall"
National Veneer Products Co., Mishawaka, Ind. "Fibre"
New York Standard Ash Can Mfg. Co., 99 Kent Av., Bklyn, N. Y.
N. Y. Standard Mfg. Co., Inc., 99 Kent Av., Bklyn., N. Y.
Novotny (L. J.), Inc. Milwaukee, Wis. "Novoline"
Pressed Metal Products Co., Cleveland, O.
Redmon (W. C.) Sons & Co., Peru, Ind.
Reliable Metal Novelty Co., 165 W. 21st, New York, N. Y. "Ramco"
Rochester Can Co., Rochester, N. Y. "Iron Horse"
Savory, Inc., 591 Ferry, Newark, N. J.
Shelton Basket Co., Shelton, Conn.
Solar-Sturges Mfg. Co., Congress St., Chicago, Ill.
Ultra-Nu Basket Co., Niles, Mich (Fibre)
Union Steel Products Co., Albion, Mich. (Wire)
United Metal Box Co., Inc., 473 President, Bklyn., N. Y. (Built In)
Wabash Basket Co., Marion, Ind.
Whitney (F. A.) Carriage Co., Leominster, Mass.

HAND BALL GLOVES—See Gloves, Hand Ball

HAND BALLS—See Balls, Hand

HAND BELLOWS—See Bellows, Hand

HAND BELLS—See Bells, Dinner, Etc.

HAND BLOWERS—See Blowers, Hand

HAND BOTTLE CAPPERS—See Cappers, Bottle, Hand

HAND BRACKETS—See Brackets, Hand or Stair Rail

HAND CARDS—See Cards, Hand

HAND CARS, Children's—See Cars, Hand, Children's

HAND CART SPRAYERS—See Sprayers, Hand Cart

HAND CORKERS—See Corkers, Hand

HANDCUFFS, Twisters, Leg Irons, Etc.

Gardner Screw Corp., Gardner, Mass. (Toy)
Harrington & Richardson Arms Co., Worcester, Mass.
Mattatuck Mfg. Co., Waterbury, Conn.
Peerless Handcuff Co., Springfield, Mass.
Union Hdw. Co., Torrington, Conn. "Towers"

HAND DRILLS—See Drills, Hand

HAND ELEVATORS—See Dumb-Waiters

HAND LAMPS, Electric—See Lamps, Electric, Hand

HAND LAWN MOWER SHARPENERS—See Sharpeners, Lawn Mower, Hand

HAND PASTES—See Soaps and Pastes, Hand

HAND POWER CLOTHES WASHING MACHINES—See Washing Machines, Clothes, Hand Power

HAND POWER ELEVATORS—See Elevators, Hand Power

HAND POWER GRINDERS—See Grinders, Foot and Hand Power

HAND POWER PUNCHES—See Punches, Hand Power

HAND POWER SPRAYERS—See Sprayers

HAND PUMPS—See Pumps, Hand

HAND PUMPS, Portable—See Pumps, Portable, Hand

HAND PUNCHES—See Punches, Hand

HAND PUSH CARTS—See Carts, Push, Hand

HAND RAIL SCREWS—See Screws, Hand Rail

HAND REAMERS—See Reamers, Hand

HAND SAW FILERS—See Filers, Saw, Hand

HAND SAW HANDLES—See Handles, Saw, Hand

HAND SAWS—See Saws, Hand

HAND SPRAYERS—See Sprayers

HAND TRUCK WHEELS—See Wheels, Hand, Truck

HAND TRUCKS—See Trucks, Hand

HAND VISES—See Vises, Hand

HANDLES, Ash

American Fork & Hoe Co., Cleveland, O. "True-Temper"
Ames Baldwin Wyoming Shovel Co., Parkersburg, W. Va., "A B W"
Bryan Handle Co., Bryan, O.
Bryant Mfg. Co., Wapakoneta, O.
C-K-R Company, Cleveland, O.
Columbus Handle & Tool Corp. Works of the National Handle Co., Columbus, Ind.
Crook Son & Co., Hicksville, O.
Dayton Handle & Golf Co., Dayton, O.
Delapierre (Arthur), Inc., 19 Warren, New York, N. Y.
Ehinger (Fred) & Co., Palmyra, Mich.
Elias & Bro., Buffalo, N. Y.
Gallup-Ruffing Handle Co., Norfolk, O.
Gray Mfg. Co., Oakland, Cal.
Greenslate Mfg. Co., Rich Hill, Mo.
Hanna & Young Handle Co., Poplar Bluff, Mo.
Marion Handle & Box Co., Marion, Ind.
Oregon Handle Mfg. Co., Newberg, Ore.
Phipps (J. H.) Lumber Co., Fayetteville, Ark.
Pitman (Geo. W.) Co., Waco, Tex.
Schnee Lumber Co., Millersburg, O.
South Bend Dowel & Mfg. Co., South Bend, Ind.
Sperry Mfg. Co., New Haven, Ind.
Strock (L. W.) & Co., Bethlehem, Pa.
Vickers Lumber Co., Piedmont, O.
Wood Shovel & Tool Co., Piqua, O. "Moly-D"

HANDLES, Auger—See Handles, Hickory

HANDLES, Axe—See Handles, Hickory

HANDLES, Blade, Pattern Makers' and Shirt Cutters'

Mitchell Bros. Co., Kalaska Handle Co. Div., Cadillac, Mich.
Murphy's (Robert) Sons Co., Ayer, Mass.
Parker Wire Goods Co., Worcester, Mass.

HANDLES, Blade, Shoe Cutters'

Mitchell Bros. Co., Kalaska Handle Co. Div., Cadillac, Mich.
Murphy's (Robert) Sons Co., Ayer, Mass.
Parker Wire Goods Co., Worcester, Mass.

HANDLES, Boiler and Milk Can

Arcade Mfg. Co., Freeport, Ill.
Mitchell Bros. Co., Kalaska Handle Co. Div., Cadillac, Mich.
National Enameling & Stamping Co., Milwaukee, Wis.
Stanley Wks., New Britain, Conn.
Stover Mfg. & Engine Co., Freeport, Ill.
Wrightsville Hdw. Co., Wrightsville, Pa.

HANDLES, Canthook—See Handles, Hickory

HANDLES, Chest

Beardsley & Wolcott Mfg. Co., Waterville, Conn.
Brainerd Mfg. Co., East Rochester, N. Y.
Brass Goods Mfg. Co., 345 Eldert, B'klyn, N. Y.
Champion Hdw. Co., Geneva, O.
Corbin, P & F., New Britain, Conn.
Corbin Cabinet Lock Co., New Britain, Conn.
Dent Hdw. Co., Fullerton, Pa.
Grey Iron Casting Co., Mt. Joy, Pa.
Lawrence Bros., Sterling, Ill.
McKinney Mfg. Co., Pittsburgh, Pa.
National Brass Co., Grand Rapids, Mich. "Essential"
National Lock Co., Rockford, Ill.
Ney Mfg. Co., Canton, O.
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Penn Hdw. Co., Reading, Pa.
Piqua Handle & Mfg. Co., Piqua, O.
Reading Hdw. Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sager Lock Works, North Chicago, Ill.
Sargent & Co., New Haven, Conn.
Shelby Spring Hinge Co., Shelby, O.
Slaymaker Lock Co., Lancaster, Pa.
Stanley Wks., New Britain, Conn.
Stearns (E. C.) & Co., Syracuse, N. Y. "Stearns Ecsco"
Stover Mfg. & Engine Co., Freeport, Ill.
Voos Co., Inc., New Haven, Conn.
Waterbury Button Corp., Waterbury, Conn.
Weber-Knapp Co., Jamestown, N. Y.
Weller Hdw. & Foundry Co., Horseheads, N. Y.
Wilcox, Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.

HANDLES, China—See Buttons, Handles and Knobs, China

HANDLES, Chisel

Allen, Chas. I., Terryville, Conn.
Bliss (R.) Mfg. Co., Pawtucket, R. I.
Bogert & Hopper, 223 Varick, New York, N. Y.
Bradley (C. E.) Corp., Brattleboro, Vt.
Buck Bros., Milbury, Mass.
Carpenter & Bayles, 75 Barclay, New York, N. Y.
Chapin-Stephens Co., Pine Meadow, Conn. "C-S Co."
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Gallup-Ruffing Handle Co., Norwalk, O.
H-B Hickory Handle Co., Haverhill, Mass.
Kaalot Mfg. Co., Chicago, Ill.
Mitchell Bros. Co., Kalaska Handle Co. Div., Cadillac, Mich.
Peck, Stow & Wilcox Co., Southington, Conn.
Piqua Handle & Mfg. Co., Piqua, O.
Stanley Wks., New Britain, Conn.
Stevenson Mfg. Co., South Bend, Ind.
Stiles (H. A.) & Co., Boston, Mass. "Hasco"
Stossell (Carl) Sons & Co., Front Royal, Va.
Strock (L. W.) & Co., Bethlehem, Pa.
Swan (James) Co., Seymour, Conn.
Tuck Mfg. Co., Brockton, Mass.
Union Hdw. Co., Torrington, Conn.

HANDLES, "D," Steel and Wood

American Fork & Hoe Co., Cleveland, O. "I-D-L," "Sturd E," "True Temper"
Ames Baldwin Wyoming Shovel Co., Parkersburg, W. Va. "Armor"
C-K-R Company, Cleveland, O.
Columbus Handle & Tool Corp. Works of the National Handle Co., Columbus, Ind. "Sturd E"
Crook Son & Co., Hicksville, O. "Tru-Dee
Ely Mfg. Co., Girard, Pa.
Erie City Mfg. Co., Erie, Pa.
Hall Mfg. Co., Cedar Rapids, Ia.
Pratt (Wm. E.) Mfg. Co., Chicago, Ill.
Richards-Wilcox Mfg. Co., Aurora, Ill. "R-W"
Strock (L. W.) & Co., Bethlehem, Pa.
Union Fork & Hoe Co., Columbus, O. "I-D-L"
Wood Shovel & Tool Co., Piqua, O. "Moly-O"

HANDLES, Door, Drawer, Etc.

American Ring Co., Waterbury, Conn.
Artistic Bronze Co., Bridgeport, Conn.
Attwood Brass Wks., Grand Rapids, Mich.
Barrows Lock Wks. of Yale & Towne Mfg. Co., Lockport, Ill.
Bassick Co., Bridgeport, Conn.
Beardsley & Wolcott Mfg. Co., Waterville, Conn.
Bogert & Hopper, 223 Varick, New York, N. Y.
Brainerd Mfg. Co., East Rochester, N. Y.
Brass Goods Mfg. Co., 345 Eldert, B'klyn, N. Y.
Braun (J. G.) Co., Chicago, Ill.
Corbin, P. & F., New Britain, Conn.
Corbin Cabinet Lock Co., New Britain, Conn.
Detroit Wks., Detroit, Mich.
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Foster, Merriam & Co., Meriden, Conn. "Efemco"
Frantz Mfg. Co., Sterling, Ill.
Goldhill Hardware Mfg. Co., Los Angeles, Cal.
Grey Iron Casting Co., Mt. Joy, Pa.
Griffin Mfg. Co., Erie, Pa.
Hager (C.) & Sons Hinge Mfg. Co., St. Louis, Mo.
Imperial Brass Mfg. Co., Chicago, Ill.
Kersten Co., Inc., Chicago, Ill.
Laughlin (Thos.) Co., Portland, Me.
Lockwood Mfg. Co., Fitchburg, Mass.
McKinney Mfg. Co., Pittsburgh, Pa.
Midwest Hardware Co., Chicago, Ill.
Mit-Shel Stamping Mfg. Co., Quincy, Ill.
Monarch Mfg. Co., Detroit, Mich.
National Lock Co., Rockford, Ill.
Norwalk Lock Co., 12 Warren, New York, N. Y.
Penn. Hdwe. Co., Reading, Pa.
Piqua Handle & Mfg. Co., Piqua, O.
Russell & Erwin Mfg. Co., New Britain, Conn. "Russwin"
Sager Lock Works of Yale & Towne Mfg. Co., North Chicago, Ill.
Sargent & Co., New Haven, Conn.
Schlangen Mfg. Co., Chicago, Ill.
Slaymaker Lock Co., Lancaster, Pa.
Stanley Wks., New Britain, Conn.
Stevenson Mfg. Co., South Bend, Ind.
Stewart Iron Wks. Co., Inc., 814 Stewart Block, Cincinnati, O.
Stiles (H. A.) & Co., Boston, Mass.
Stratton Mfg. Co., Stratton, Me.
Waterbury Button Corp., Waterbury, Conn.
Wrightsville Hdw. Co., Wrightsville, Pa.
Yale & Towne Mfg. Co., Stamford, Conn.

HANDLES, Drawer—See Handles, Door, Drawer, Etc.

HANDLES, Drop and Lever

Barrows Lock Wks. of Yale & Towne Mfg. Co., Lockport, Ill.
Corbin, P. & F., New Britain, Conn.
Sager Lock Wks. of Yale & Towne Mfg. Co., No. Chicago, Ill.
Sargent & Co., New Haven, Conn.
Yale & Towne Mfg. Co., Stamford, Conn.

HANDLES, Drop Ring

Corbin, P. & F., New Britain, Conn.
Sargent & Co., New Haven, Conn.
Yale & Towne Mfg. Co., Stamford, Conn.

HANDLES, Entrance Door

Corbin, P. & F., New Britain, Conn.
Sargent & Co., New Haven, Conn.
Yale & Towne Mfg. Co., Stamford, Conn.

HANDLES, File

Allen, Chas. I., Terryville, Conn.
Allen Mfg. Co., New Durham, N. H.
Baker, McMillen Co., Akron, O.
Bliss (R.) Mfg. Co., Pawtucket, R. I.
Bogert & Hopper, 223 Varick, New York, N. Y.
Bradley (C. E.) Corp., Brattleboro, Vt.
Buckeye Mfg. & Foundry Co., Cleveland, O.
Carpenter & Bayles, 75 Barclay, New York, N. Y.
Champion Hdw. Co., Geneva, O.
Chapin-Stephens Co., Pine Meadow, Conn. "C-S Co"
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa. "Stronghold"
Doane Mfg. Co., Somerville, Mass. "Doctor"
Ehinger (Fred C.) Mfg. Co., Palmyra, Mich.
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Gallup Ruffing Handle Co., Norwalk, O.
Gray Iron Foundry Co., Reading, Pa.
Grover File Co., Nashua, N. H.
Hy-Tools, Inc., Buffalo, N. Y. "Cant-Split"
Jenkins & Bogert Mfg. Co., Kingfield, Me.
Kaalot Mfg. Co., Chicago, Ill.
Lauber Handle Mfg. Co., Milwaukee, Wis.
Lutz File & Tool Co., Cincinnati, O.
Malm, Henry, 279 Morris Av., New York, N. Y. (Rubber)
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Mitchell Bros. Co., Kalaska Handle Co. Div., Cadillac, Mich.
Narragansett Mach. Co., Providence, R. I.
National Aluminum Co., Inc., Racine, Wis.
Nicholson File Co., Providence, R. I.
Osgood (J. L.) Tool Co., Buffalo, N. Y. "Indestructible"
Peck, Stowe & Wilcox Co., Southington, Conn. "Pexto"
Piqua Handle & Mfg. Co., Piqua, O.
Robinson (M. W.) Co., 296 B'way, New York, N. Y. "Lock Jaw," "Rollis"
Rowe (Henry) Mfg. Co., Newago, Mich.
Sargent & Co., New Haven, Conn.
Schriver (O. P.) Co., Cincinnati, O. "Gem," "I. X. L."
Standard Turning Wks., Cambridge, Mass.
Stearns (E. C.) & Co., Syracuse, N. Y.
Stevenson Mfg. Co., South Bend, Ind.
Stiles (H. A.) & Co., Boston, Mass. "Hasco"
Stossel (Carl) Sons & Co., Front Royal, Va.
Stover Mfg. & Engine Co., Freeport, Ill.
Stratton Mfg. Co., Stratton, Me.
Strock (L. W.) & Co., Bethlehem, Pa.
Strombeck-Becker Mfg. Co., Moline, Ill. "Taperfit"
Troy File Wks., Troy, N. Y. "Troy-Best"
Union Hdw. Co., Torrington, Conn.
Warren Handle Wks. Co., Cortland, O.
Western Toy Co., Detroit, Mich.

HANDLES, Fork—See Handles, Repair

HANDLES, Hammer—See Handles, Hickory

HANDLES, Hickory

Alexander (Geo. E.) & Son, Sunapee, N. H.
American Fork & Hoe Co., Cleveland, O. "True Temper"
American Handle Co., Jonesboro, Ark. "American King," "Condor," "Falcon," "Hawk," "Kite," "Missouri," "Northern," "Owl," "Standard," "Western"
American Logging Tool Co., Evart, Mich.
Amos (Chas. H.) Handle Co., Stilwell, Okla. "Chaco"
Atkins Bros., Marion, Va.
Benjamin Handle Co., Sidney, O.
Bliss (R.) Mfg. Co., Pawtucket, R. I. (Auger)
Blue Oak Handle Co., Bowling Green, Mo.
Bruner (W. E.) & Sons, Inc., Heber Spring, Ark.
Cheesebrough, Thos. E., Freeport, Mich.
Collins Co., Collinsville, Conn. "Legitimus"

HANDLES, Hickory (Continued)

Columbus Handle & Tool Corp. Works of the National Handle Co., Columbus, Ind. "Sturd E"
Cordorus Mfg. Co., Cordorus, Pa.
Cotton (Lemuel) & Son, Hiram, Me.
Crook, Son & Co., Hicksville, O.
Curtis Handle Co., Dallas City, Ill.
Des Arc Handle Co., Des Arc., Mo.
Dixie Logging Tool Co., Chattanooga, Tenn.
Ehinger (Fred C.) Mfg. Co., Palmyra, Mich.
Fulkerson Bros. Handle Co., Puxico, Mo.
Galion Handle & Mfg. Co., Galion, O.
Gallup Ruffing Handle Co., Norwalk, O.
Gregory (T. J.) Handle Co., Cookeville, Tenn.
H-B Hickory Handle Co., Haverhill, Mass.
Handle & Excelsior Co., Picture Rocks, Pa.
Harriman Mfg. Co., Harriman, Tenn.
Hartwell Brothers, Memphis, Tenn.
Hasinger (C. L.) Co., Indiana, Pa.
Helser, J. B., Atwater, O.
Hickory Handle & Mfg. Co., Conover, N. C.
Hopple, Wm. H., Tiffin, O.
Hunt & Milliken Co., Old Town, Me.
Imboden (I. C.) Mfg. Co., Cleona, Pa.
Irwin Auger Bit Co., Wilmington, O.
Isbell, J. A., Cookeville, Tenn.
Ivory Handle Co., Hope, Ark.
Jones (J. F.) & Sons, Columbus Grove, O.
Keller & Tamm Mfg. Co., St. Louis, Mo.
Kelsey (Horatio), Inc., Clinton, Conn.
Landis (S. H.) & Bro., Quakertown, Pa.
La Pierre-Sawyer Handle Co., Jackson, Mo.
Lewiston Handle Co., Lewiston, Me.
Lindsay Mfg. Co., Ottumwa, Ia.
Livingston Mfg. Co., Rockland, Me.
McCrillis Handle Co., Monroeville, O.
McGowan, John S., Highland Lake, Me.
McLaughlin (J. L.) & Sons, Bedford, Pa.
Marion Handle & Box Co., Marion, Ind. (D. Wood)
Medina Bending Wks., Medina, O.
Middlesex Mfg. Co., Chester, Conn.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Minton (T. W.) & Son, Barbourville, Ky.
Mitchell Bros. Co., Kalaska Handle Co. Div., Cadillac, Mich.
Mo-Ark Handle Co., St. Louis, Mo.
Moellenbrook, F. H., Washington, Mo.
Mooney (G. F.) & Son, Farmington, N. H.
Napoleon Lumber & Handle Co., Napoleon, O.
Oak Grove Handle Co., Devall Bluff, Ark.
Oregon Handle Mfg. Co., Newberg, Ore.
Palmer & Son, Troy, N. H.
Parkersburg Handle Wks. & Lumber Co., Parkersburg, W. Va.
Peterson, Samuel, Inc., Warren, Pa.
Piggott Handle Co., Piggott, Ark. "Bear State," "Black Bird," "Economy," "Favorite," "Ideal," "Red Bird," "Special," "Supreme"
Piper (B. H.) Co., Manchester, N. H.
Piqua Handle & Mfg. Co., Piqua, O.
Prouty (C.) & Co., Eldred, Pa.
Railway Handle Corp., Richmond, Va.
Richland Handle Co., Butler, O.
Rugg Mfg. Co., Greenfield, Mass.
Sallee Bros., Pocahontas, Ark. "Atlas," "Dictator," "Faultless," "Lynx," "Mammoth," "Pioneer," "Pointer," "Sturdy," "Winner"
Schaffer, J. C., Delphos, O.
Schmidt, Louis L., Des Arc, Mo.
Sheldon Handle Co., Kinzua, Pa.
Sheldon, Mason O., Malvern, Ark.
Standard Handle Co., Macon, Ga.
Stanley Wks., New Britain, Conn.
Stevenson Mfg. Co., South Bend, Ind.
Stice (Jas. L.) Handle Mfg. Co., Fayetteville, Ark.
Stossell (Carl) & Sons Co., Front Royal, Va.
Stratton Mfg. Co., Stratton, Me.
Strock (L. W.) & Co., Bethlehem, Pa.
Sturm (Adolph) Co., Chicago, Ill.
Tatem (J. M.) Handle Co., Eastford, Conn.
Tennessee Handle Co., Cookeville, Tenn.
Titusville Handle Co., Titusville, Pa.
Turner, Day & Woolworth Handle Co., Inc., Louisville, Ky. "American Beauty," "Beauty," "Daisy," "Daniel Boone," "Eagle," "Hercules," "Peerless," "Perfection," "Success," "Sunflower," "T D & W," "Triumph," "Turnerday"
Union Fork & Hoe Co., Columbus, O.
Union Hdw. Co., Torrington, Conn.
U. S. Hame Co., Buffalo, N. Y. "Charter Oak," "Warner"
Vickers (J. W.) & Son, Piedmont, O.
Warren Axe & Tool Co., Warren, Pa.
Warren Handle Wks. Co., Cortland, O. "Cortland"
White, W. D., Jr., Tompkinsville, Ky.
Whitmore Handle Co., Mt. Vernon, Ind.
Williams, H. A., Hancock, N. Y.
Willingham, E. G., Memphis, Tenn.
Winter (H. C.) & Sons, Kingfield, Me.
Yingling Bros. & Co., Monroeville, O.
Zimmerman (J. N.) Mfg. Co., Owosso, Mich.

HANDLES, Hoe—See Handles, Repair

HANDLES, Hook, Grass—See Handles, Repair

HANDLES, Knife, Detachable

Parker Wire Goods Co., Worcester, Mass.

HANDLES, Lawn Mower, Metal

Gracey Mfg. Co., Toledo, O.

HANDLES, Milk Can—See Handles, Boiler and Milk Can

HANDLES, Mop—See Sticks and Holders, Mop

HANDLES, Oak

American Handle Co., Jonesboro, Ark. "American King," "Condor," "Falcon," "Hawk," "Kite," "Owl"
Des Arc Handle Co., Des Arc, Mo.
Ehinger (Fred C.) & Co., Palmyra, Mich.
Ixl Handle Mfg. Co., Dexter, Mo.
LaPierre-Sawyer Handle Co., Jackson, Mo.
Leathers (A. H.) Mfg. Co., Dickson, Tenn.
Oregon Handle Mfg. Co., Newberg, Ore.
Phipps (J. H.) Lumber Co., Fayetteville, Ark.
Sallee Bros., Texarkana, Ark.

HANDLES, Peavy—See Handles, Hickory

HANDLES, Percolator

Acme Metal Goods Mfg. Co., 2 Orange, Newark, N. J.
Aluminum Goods Mfg. Co., Manitowoc, Wis.
Baker, McMillen Co., Akron, O.
Bogert & Hopper, 223 Varick, New York, N. Y.
Collette Mfg. Co., Amsterdam, N. Y.
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Mitchell Brothers Co., Kalaska Handle Co. Div., Cadillac, Mich.
Stiles (H. A.) & Co., Boston, Mass.

HANDLES, Pick—See Handles, Hickory

HANDLES, Plow

(See also Handles, Hickory)

Bridgewater Plow Corp., Bridgewater, Va.
Columbus Handle & Tool Corp. Works of the National Handle Co., Columbus, Ind. "Sturd E"
Crook, Son & Co., Hicksville, O.
Fort Recovery Stirrup Co., Fort Recovery, O.
Fort Smith Rim & Bow Co., Fort Smith, Ark. "Cutting Brand"
Harriman Mfg. Co., Harriman, Tenn.
Herschel (R.) Mfg. Co., Peoria, Ill.
Kelly (G. A.) Plow Co., Longview, Tex.
Piqua Handle & Mfg. Co., Piqua, O.

HANDLES, Pole Line

Columbus Handle & Tool Corp. Works of the National Handle Co., Columbus, O.

HANDLES, Rake—See Handles, Repair

HANDLES, Repair

American Fork & Hoe Co., Cleveland, O. "True Temper"
Ames Baldwin Wyoming Shovel Co., Parkersburg, W. Va. "A B W"
Bryant Mfg. Co., Wapakoneta, O.
Columbus Handle & Tool Corp. Works of the National Handle Co., Columbus, Ind. "Sturd E"
Crook, Son & Co., Hicksville, O. "Tru-Dee"
International Fork & Hoe Co., New Haven, Ind. "Kitten"
Union Fork & Hoe Co., Columbus, O.
Wood Shovel & Tool Co., Piqua, O. "Artwood"

HANDLES, Sad Iron

Baker, McMillen Co., Akron, O.
Bogert & Hopper, 223 Varick, New York, N. Y.
Champion Hdw. Co., Geneva, O.
Colebrookdale Iron Co., Boyertown, Pa. "Mrs. Potts"
Ennis Mfg. Co., Reading, Pa.
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New New York, N. Y.
Gallup Ruffling Handle Co., Norwalk, O.
Grey Iron Casting Co., Mt. Joy, Pa.
Loetcher-Ryan Mfg. Co., Dubuque, Ia.
Mitchell Bros. Co., Kalaska Handle Co. Div., Cadillac, Mich.
Narragansett Mach. Co., Providence, R. I.
Piqua Handle & Mfg. Co., Piqua, O.
Sager Lock Works, North Chicago, Ill.
Schrayer's (M.) Sons & Co., Chicago, Ill.
Stevenson Mfg. Co., South Bend, Ind.
Stiles (H. A.) & Co., Boston, Mass.
Stratton Mfg. Co., Stratton, Me.
Williams (A. C.) Co., Ravenna, O.
Winter (H. G.) & Sons, Kingfield, Me.

HANDLES, Saw, Cross-Cut

Atkins (E. C.) & Co., Indianapolis, Ind.
Bogert & Hopper, 223 Varick, New York, N. Y.
Columbus Handle & Tool Corp. Works of the National Handle Co., Columbus, Ind.
Decker (E. F.) Saw Wks., Albany, N. Y.
Disston (Henry) & Sons, (Tacony), Phila., Pa.
Ely Mfg. Co., Girard, Pa.
Erie City Mfg. Co., Erie, Pa. "Arrow"
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Ohlen-Bishop Co., Columbus, O.
Simonds Saw & Steel Co., Fitchburg, Mass.
Stiles (H. A.) & Co., Boston, Mass.
Turner, Thos. J., Memphis, Tenn.

HANDLES, Saw, Hand

(See also Saws)

Atkins (E. C.) & Co., Indianapolis, Ind.
Bogert & Hopper, 223 Varick, New York, N. Y.
Chapin-Stephens Co., Pine Meadows, Conn.
Disston (Henry) & Sons, (Tacony), Phila., Pa.
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Ohlen-Bishop Co., Columbus, O.
Piqua Handle & Mfg. Co., Piqua, O.
Simonds Saw & Steel Co., Fitchburg, Mass.
Stevenson Wks. Co., South Bend, Ind.
Stiles (H. A.) & Co., Boston, Mass.
Sturm (Adolph) Co., Chicago, Ill.

HANDLES, Scoop, Spade and Shovel

American Fork & Hoe Co., Cleveland, O. "True Temper"
Ames, Baldwin Wyoming Shovel Co., Parkersburg, W. Va. "A B W"
Columbus Handle & Tool Corp. Works of the National Handle Co., Columbus, Ind. "Sturd E"
Crook, Son & Co., Hicksville, O. "Tru-Dee"
Ingersoll Steel & Disc Co., New Castle, Ind.
Union Fork & Hoe Co., Columbus, O.
Wood Shovel & Tool Co., Piqua, O. "Moly-D"

HANDLES, Sledge—See Handles, Hickory

HANDLES, Soldering Iron

Baker, McMillen Co., Akron, O.
Bogert & Hopper, 223 Varick, New York, N. Y.
Bradley (C. E.) Corp., Brattleboro, Vt.
Erie City Mfg. Co., Erie, Pa.
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Handy Things Mfg. Co., Ludington, Mich.
Hy-Tools, Inc., Buffalo, N. Y. "Cant-Split"
Kaalot Mfg. Co., Chicago, Ill.
Lauber Handle Mfg. Co., Milwaukee, Wis.
Mitchell Bros. Co., Kalaska Handle Co. Div., Cadillac, Mich.
Narragansett Mach. Co., Providence, R. I.
Nashua Spool & Bobbin Co., Boston, Mass.
Osgood (J. L.) Tool Co., Buffalo, N. Y. "Indestructible"
Piqua Handle & Mfg. Co., Piqua, O.
Rowe (Henry) Mfg. Co., Newago, Mich.
Standard Turning Wks., Cambridge, Mass.
Stiles (H. A.) & Co., Boston, Mass. "Hasco"
Stossel (Carl) Sons & Co., Front Royal, Va.
Stratton Mfg. Co., Stratton, Me.
Strock (L. W.) & Co., Bethlehem, Pa.
Sun Enamel Wks., Leominster, Mass.
Unique Mfg. Co., Inc., Chicago, Ill.

HANDLES, Store Door

Barrows Lock Wks., of Yale & Towne Mfg. Co., Lockport, Ill.
Corbin, P. & F., New Britain, Conn.
Eagle Lock Co., Terryville, Conn.
Independent Lock Co., Fitchburg, Mass.
Lockwood Mfg. Co., So. Norwalk, Conn.
Norwalk Lock Co., 12 Warren, New York, N. Y.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sager Lock Wks., of Yale & Towne Mfg. Co., No. Chicago, Ill.
Sargent & Co., New Haven, Conn.
Yale & Towne Mfg. Co., Stamford, Conn.

HANDSCREWS

Adjustable Clamp Co., 411 N. Ashland Av., Chicago, Ill. "Jorgensen" (Steel Spindle)
Black Bros. Co., Inc., Mendota, Ill.
Bliss (R.) Mfg. Co., Pawtucket, R. I.
Brownie Mfg. Co., Inc., Ft. Wayne, Ind.
Chapin-Stephens Co., Pine Meadow, Conn.
Christiansen, C., Chicago, Ill.
Cincinnati Tool Co., Montgomery Rd., Cincinnati, O.
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Handy Mfg. Co., Chicago, Illl.
Illinois Iron & Bolt Co., Carpentersville, Ill.
Narragansett Mach. Co., Providence, R. I.
New London Vise Wks., New London, Conn.
Oliver Mchy. Co., Grand Rapids, Mich.
Rock Island Mfg. Co., Rock Island, Ill.
Sargent & Co., New Haven, Conn.
Western Automatic Mach. Screw Co., Elyria, O.

HANDY CUT SAWS—See Saws, Handy Cut

HANGER BOLTS—See Bolts, Hanger

HANGERS, Aeroplane, Toy

Buddy "L" Mfg. Co., East Moline, Ill.
Rittenhouse (A. E.) Co., Honeoye Falls, N. Y.

HANGERS, Clothes—See Hangers, Garment

HANGERS, Coat—See Hangers, Garment

HANGERS, Door, Barn

Allith-Prouty Co., Danville, Ill. "Reliable," "Ten-Tes"
Coburn Trolley Track Mfg. Co., Holyoke, Mass.
Frantz Mfg. Co., Sterling, Ill. "Glide," "Hi-Lo," "Runwel," "Rollaway," "Shedwel"
Griffin Mfg. Co., Erie, Pa.

NGERS, Door, Barn (Continued)

on (H. D.) Mfg. Co., Chicago, Ill. "All-weather," eatsall"
rence Bros., Sterling, Ill. "Century," "Cleveand," "Clipper," "Cyclone," "Electric," "Humer," "King Bee," "New Giant,' "Peerless," terling," "Union"
ey (C. A.) Co., Oshkosh, Wis. "Bischoff"
len Mchy. Co., Fairfield, Ia. "Bird Proof"
abe Hanger Mfg. Co., 425 W. 25th, New York, Y.
inney Mfg. Co., Pittsburgh, Pa.
in, S. B., Dalton, O. "Bird," "Channel," "Mar- Wonder"
s (F. E.) & Bro. Co., 902 Church, Ashland, O. conomy," "Faultless," "Flexible," "Giant," lyers' Adjustable," "Myers' Sure Lock," "New- ay," "New-way Giant," "O. K. Stayon," "Right gle," "Simplex," "Sure Grip"
onal Mfg. Co., Sterling, Ill. "Big 4," "Storm- oof"
Mfg. Co., Canton, O.
Hdw. Co., Reading, Pa.
er (J. E.) Co., Ottawa, Ill. "Can't get off," ouble V," "Hummer," "Tornado," "Whirlnd"
ing Hdw. Co., Reading, Pa.
rds-Wilcox Mfg. Co., Aurora, Ill. "Acme," jax," "Duplex," "Erie," "Everson," "Expan- n," "Gem," "Hercules," "Jumbo," "King," T.," "Nero," "New Jap," "O. K.," "Richards ss," "Richards Peerless," "Samson," 'Stand- l," "Superior," "Sure-On," "U. S.," "Victor," ilcox," "Wilcox Stay-On," "Wilcox Tandem," ilcox World Wide," "World"
ey, Browne & Donald, Maspeth, N. Y. "Cres- t"
mond Safety Gate Co., Richmond, Ind.
on Hdw. Mfg. Co., Sharon, Pa. "Big Ben," ommon"
ley Wks., New Britain, Conn.
ine, Inc., Harvard, Ill. "Cannon Ball," "Giant," noxall," "20th Century," "U. S."
t (A. L.) Iron Works, Medina, N. Y. "Hylo"
eford (G. A.) Co., Canton, O. "Hinge-Stay-On"
as Mfg. Co., Newcastle, Ind. "Aurora Queen," urora Victor"
ing Mfg. Co., Ashland, O. "Red-Rib," "Safe- " "Storm King," "U. S. Standard," "Wizard justable," "World's Best"
r Mfg. Co., Newburyport, Mass.
ner Mfg. Co., Cedar Falls, Ia. "Leader"
htsville Hdw. Co., Wrightsville, Pa.

NGERS, Door, Parlor

n-Prouty Co., Danville, Ill.
be Hanger Mfg. Co., 425 W. 25th, New York, Y.
s (F. E.) & Bro. Co., 902 Church, Ashland, O.
rds-Wilcox Mfg. Co., Aurora, Ill.

NGERS and HINGES, Door, Garage

n-Prouty Co., Danville, Ill.
rn Trolley Track Mfg. Co., Holyoke, Mass.
tor Supplies Co., Hoboken, N. J. "E. S"
z Mfg. Co., Sterling, Ill.
n Mfg., Erie, Pa.
ence Bros., Sterling, Ill.
en Machy. Co., Fairfield, Ia.
be Hanger Mfg. Co., 425 W. 25th, New York, Y.
nney Mfg. Co., Pittsburgh, Pa.
s (F. E.) & Bro. Co., 902 Church, Ashland, O.
conomy," "New Way Giant," "Right Angle,"
nal Brass Co., Grand Rapids, Mich.
nal Mfg. Co., Sterling, Ill. "Junior"
Mfg. Co., Canton, O.
r (J. E.) Co., Ottawa, Ill. "Straight-Away"
rds-Wilcox Mfg. Co., Aurora, Ill. "Slidetite"
n Hdw. Mfg. Co., Sharon, Pa.
ey Wks., New Britain, Conn.
ne, Inc., Harvard, Ill. "Cannon Ball," eatherproof"
er Mfg. Co., Cedar Falls, Ia. "Clostite"

GERS, Door, Warehouse—See Hangers, Door, n

NGERS, Dumb-Bell and Indian Club

go Gymnasium Equipment Co., Chicago, Ill.
r-Maynard Co., Plymouth, N. H.
l Iron Wks., Phila., Pa.
berg (J. B.) & Co., Inc., Coldwater, Mich.
rle, J. C., St. Louis, Mo.
l, Bernard, Chicago, Ill.
t (Fred) Mfg. Co., St. Louis, Mo.
ngs Mfg. Co., St. Louis, Mo.
(A. J.), Wright & Ditson, Inc., Phila., Pa.
ng (A. G.) & Bros., 105 Nassau, New York, Y.
ms (A. C.) Co., Ravenna, O.

NGERS, Eave Trough and Conductor Pipe

t Mfg. Co., Painesville, O. "Peerless"
r Corrugating Co., La Crosse, Wis.
r Mfg. Co., Canton, O. "Berloy"
n Mfg. Co., Terre Haute, Ind.
Canton Art Metal Co., Canton, O.
Consolidated Steel Strapping Co., Chicago, Ill.
Edwards Mfg. Co., Cincinnati, O.
Eller Mfg. Co., Canton, O.
Friedley-Voshardt Co., Chicago, Ill.
Grey Iron Casting Co., Mt. Joy, Pa.
Heartley Mach. Variety Iron & Tool Wks., Toledo, O.
Horan Stay Hanger Co., Louisville, Pa.
Hussey (C. G.) & Co., Pittsburgh, Pa. (Copper)
Iwan Bros., South Bend, Ind. "Perfection"
Klauer Mfg. Co., Dubuque, Ia.
Knab Corp., Rochester, N. Y. "Adjusto"
Larson, Chas. O., Sterling, Ill.
Messenger & Parks Mfg. Co., Aurora, Ill.
Milcor Steel Co., Milwaukee, Wis. "Kuehn's Korrect Korner," "Self-Lock," "Titelock"
New Delphos Mfg. Co., Delphos, O.
Ohio Corrugating Co., Warren, O.
Ohio Wire Products Co., Dover, O. "Dover Imperial," "Ohio"
Paine Co., Chicago, Ill.
Porter Iron Roofing & Corrugating Co., Cincinnati, O.
Reeves Mfg. Co., Dover, O. "Dover"
Scott Roofing & Mfg. Co., Cincinnati, O.
Stratton & Terstegge Co., Inc., Mfg. Div., Louisville, Ky. "Falls City"
Tiffin Art Metal Co., Tiffin, O.
Wheeling Corrugating Co., Wheeling, W. Va.
Wrigley (Thos.) Co., Chicago, Ill.
Wusterbarth Bros., Meriden, Conn.

HANGERS, Garment

American Mfg. Concern, Falconer, N. Y.
Automatic Wire Goods Mfg. Co., 15 Canal Pl., New York, N. Y.
Belmar Mfg. Co., Canton, Pa.
Bogert & Hopper, 223 Varick, New York, N. Y.
Brooks (M. S.) & Sons, Chester, Conn. "Peerless," "Shut-Up"
Caldwell Mfg. Co., Rochester, N. Y. "Up-to-Date"
Canhan (Victor H.) & Co., Buffalo, N. Y. "Cushion Grip," "Original," "Star" (Trousers)
Eclipse Co., N. Girard, Pa.
Empire Co., North Girard, Pa.
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Extension Garment Hanger Co., Dallas, Tex. "Hood"
Fisher (Adam) Mfg. Co., St. Louis, Mo. "Multiplex" (Folding)
Forsyth Metal Goods Co., Inc., East Aurora, N. Y.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Hincher Mfg. Co., Washington, Ind. "Peerless"
Imperial Bit & Snap Co., Racine, Wis. "Hold-More"
Jencks (E.) Mfg. Co., Worcester, Mass.
Jenkinson (R. C.) & Co., 293 Washington, Newark, N. J.
Keystone Wire Matting Co., Beaver Falls, Pa.
Knape & Vogt Mfg. Co., Grand Rapids, Mich.
Koenig (D. B.) & Co., Hazleton, Pa.
Kum Out Klothes Karrier Sales Co., Chicago, Ill.
Lawson Mfg. Co., Chicago, Ill. "Rite-Way"
LeMontree Mfg. Co., Cincinnati, O. "Lemco"
Milwaukee Stamping Co., Milwaukee, Wis. "Riteway"
Nagely, John, Toledo, O.
Onli-Wa Fixture Co., Dayton, O.
Parker Wire Goods Co., Worcester, Mass.
Parkesburg Stamping & Mfg. Co., Parkesburg, Pa.
Pratt (Wm. E.) Mfg. Co., Chicago, Ill. "Perfect"
Pullman Mfg. Co., Rochester, N. Y. "Rochester"
Puritan Specialty Co., Chicago, Ill.
Racine Iron & Wire Wks., Racine, Wis. "Rite-Shape"
Read (O. B.), Troy, N. Y. (Folding)
Runsend Wood Products, Inc., Rochester, N. Y. "Holdsmore"
Safety First Supply Co., Pittsburgh, Pa. "Diamond"
Seed Filter & Mfg. Co., 73 Franklin, New York, N. Y. "Victor"
Sommer (J. L.) Mfg. Co., 251 N. J. Railroad Av., Newark, N. J. "Fitwell" (Folding)
South Montrose Mfg. Co., Inc., South Montrose, Pa.
Standard Fibre Co., Somerville, Mass.
Sterling Stamping Co., Sterling, Ill.
Stiles (H. A.) & Co., Boston, Mass. "Goodform," "Hasco"
Taplin Mfg. Co., New Britain, Conn. "Victor"
Taylor, C. G., Princeton, Ind.
Timberlake (J. R.) & Sons, Jackson, Mich.
Troy Wire Goods Co., Troy, N. Y.
United States Lock & Hdw. Co., Columbia, Pa.
Utilatree Products, Inc., 75 Varick, New York, N. Y.
Wayne Paper Goods Co., Fort Wayne, Ind.
Washburn Company, Worcester, Mass. "American"
Wisconsin Textile Mfg. Co., Two Rivers, Wis.

HANGERS, Gate

McCabe Hanger Mfg. Co., 425 W. 25th, New York, N. Y.
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O.

HANGERS, Indian Club—See Hangers, Dumb-Bell and Indian Club

HANGERS, License—See Brackets, License

HANGERS, Picture

(See also Hooks, Picture)

Moore Push Pin Co., 113-125 Berkley, Phila., Pa.
Stransky Products Corp., 261 Canal, New York, N. Y.

HANGERS, PIPE, CONDUCTOR—See Hangers, Eaves Trough & Conductor Pipe

HANGERS, Pipe

Beaton & Caldwell Mfg. Co., New Britain, Conn. "Perfection," Universal"
Carpenter & Paterson, Inc., East Boston, Mass.
Chicago Expansion Bolt Co., Chicago, Ill.
Chicago Nipple Mfg. Co., Los Angeles, Cal. "Blue Ribbon"
Consolidated Steel Strapping Co., Chicago, Ill. "Fit-All"
Crane Co., Chicago, Ill.
Crawford Co., Chicago, Ill.
Fee & Mason Mfg. Co., 81 Beekman, New York, N. Y. "A.B.C.," "Astoria," "Beekman"
Ford & Kendig Co., Phila., Pa.
Grabler Mfg. Co., Cleveland, O.
Grinnell Co., Providence, R. I.
Guilderland Foundry Co., Guilderland, N. Y.
Heartley Machine Variety Iron & Tool Co., Toledo, O.
Hubeny Brothers, Inc., Roselle, N. J.
Illinois Malleable Iron Co., Chicago, Ill.
Larson (Chas. O.), Sterling, Illl.
Neptune Hdw. Mfg. Co., 70 Duane, New York, N. Y.
Penn Engineering Co., Phila., Pa. "Hanna Ball Joints"
Pittsburgh Valve & Fittings Co., Barberton, O.
Reznor Mfg. Co., Mercer, Pa.
Rockwood Sprinkler Co., Worcester, Mass. "Adjustable Clips"
Wall (P.) Mfg. Supply Co., 3126-3166 Preble Av., Pittsburgh, Pa.
Walworth (Thomas) Co., Chicago, Ill. "Ahlander"
Zurn (J. A.) Mfg. Co., Erie, Pa. "Advance"

HANGERS, Sash Pole

Barrows Lock Wks., of Yale & Towne Mfg. Co., Lockport, Ill.
Corbin, P. & F., New Britain, Conn.
Sager Lock Wks., of Yale & Towne Mfg. Co., No. Chicago, Ill.
Sargent & Co., New Haven, Conn.
Yale & Towne Mfg. Co., Stamford, Conn.

HANGERS, Shoe

(See also Trees, Shoe)

Neatway Co., Detroit, Mich.

HANGERS, Storm Sash—See Hangers, Window Screen and Storm Sash

HANGERS, Window Screen and Storm Sash

Alsteel Mfg. Co., Battle Creek, Mich.
American Brass Goods Co., Grand Rapids, Mich.
Bleck, Herman, Hammond, Ind.
Brainerd Mfg. Co., East Rochester, N. Y. "E-Z"
C-K-R Company, Cleveland, O. "Little Giant"
Casement Hdw. Co., Chicago, Ill. "Win-Dor"
Champion Hardware Co., Geneva, O.
Dennis (W. J.) & Co., Chicago, Ill. "E-Z-Way"
Frantz Mfg. Co., Sterling, Ill.
Fernald Mfg. Co., North East, Pa.
Griffin Mfg. Co., Erie, Pa.
Handy Things Mfg. Co., Ludington, Mich.
Kees (F. D.) Mfg. Co., Beatrice, Neb. "Kees-Gossett"
National Mfg. Co., Sterling, Ill.
New Britain Tool & Mfg. Co., Inc., New Britain, Conn.
Noslip Co., Inc., Bloomfield, N. J.
Northern Hardware Specialty Co., Tiffin, O. "Ideal"
Paine Co., Chicago, Ill.
Phenix Mfg. Co., Milwaukee, Wis.
Porter (G. E.) Co., Ottawa, Ill.
Saint Louis Hdw. Mfg. Co., St. Louis, Mo. "Douglass"
Sharon Hardware Mfg. Co., Sharon, Pa.
Shelby Spring Hinge Co., Shelby, O.
Stanley Wks., New Britain, Conn. "Schroeder's Peerless"
Thompson Mfg. Co., Los Angeles, Cal. "Universal," "Simplex"
Warner Hdwe. Spec. Co., Kansas City, Mo.

HANGING LANTERNS—See Lanterns, Hanging

HARDWARE, Airport Door

Allith-Prouty Co., Danville, Ill.
Richards-Wilcox Mfg. Co., Aurora, Ill.
Stanley Wks., New Britain, Conn.

HARDWARE, Builders'—See article desired

HARDWARE, Cabinet—See Cabinet Hardware

HARDWARE, Casement, Window—See Casement Window Hardware

HARDWARE, Colonial—See Wrought Iron Hardware

HARDWARE CLOTH—See Cloth, Hardware

HARDWARE, Curtain and Drapery

Beardsley & Wolcott Mfg. Co., Waterville, Conn. "Golden Rod"
Judd (H. L.) Co., 87 Chambers, New York, N. Y.

HARDWARE, Disappearing Door

Allith-Prouty Co., Danville, Ill.

HARDWARE, Door, Sliding and Folding
(See also Garage Hardware)

Allith-Prouty Co., Danville, Ill.
Coburn Trolley Track Mfg. Co., Holyoke, Mass.
Corbin, P. & F., New Britain, Conn.
Evans (W. L.), Washington, Ind.
Frantz Mfg. Co., Sterling, Ill.
Philipp Mfg. Co., Eashampton, Mass.
Richards-Wilcox Mfg. Co., Aurora, Ill. "Folde-R-Way" (Also for Partitions)
Stanley Wks., New Britain, Conn.

HARDWARE, Fire Door—See Fixtures, Door Fire

HARDWARE, Gable Door

Allith-Prouty Co., Danville, Ill.

HARDWARE, Garage—See Garage Hardware

HARDWARE, Heavy—See article desired

HARDWARE, Household

Gray Iron Casting Co., Mount, Joy, Pa.
Southington Hardware Co., Southington, Conn.

HARDWARE JOBBERS' CATALOG COMPILERS AND PRINTERS—See Catalog Compilers and Printers

HARDWARE, Lavatory

Barrows Lock Wks., of Yale & Towne Mfg. Co., Lockport, Ill.
Bommer Spring Hinge Co., 263 Classon Av., B'klyn, N. Y.
Corbin, P. & F., New Britain, Conn.
Gardner-Vail, Inc., Chicago, Ill.
Kersten Company, Chicago, Ill.
McShane Bell Foundry Co., Baltimore, Md.
Milwaukee Stamping Co., Milwaukee, Wis.
Norwalk Lock Co., 12 Warren, New York, N. Y.
Robertson (H. E.) Co., Chicago, Ill.
Sager Lock Wks., of Yale & Towne Mfg. Co., No. Chicago, Ill.
Sargent & Co., New Haven, Conn.
Sargent & Greenleaf, Inc., Rochester, N. Y.
Service Mfg. Co., Inc., Chicago, Ill.
Yale & Towne Mfg. Co., Stamford, Conn.

HARDWARE, REFRIGERATORS—See Refrigerator Hardware

HARDWARE SCALES—See Scales, Counter

HARDWARE SCREEN DOOR—See Screen Door Hardware

HARDWARE SHELF BOXES—See Boxes, Shelf, Hardware

HARDWARE, Shutter

Braun (J. G.) Co., Chicago, Ill.
Corbin, P. & F., New Britain, Conn.
Frantz Mfg. Co., Sterling, Ill.
Hess (Chas.) Co., 49-14 Metropolitan Av., B'klyn, N. Y.
McKinney Mfg. Co., Pittsburgh, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Stanley Wks., New Britain, Conn.

HARDWARE, Trunk

Brainerd Mfg. Co., Inc., East Rochester, N. Y.
Corbin Cabinet Lock Co., New Britain, Conn.
Eagle Lock Co., Terryville, Conn.
Goldsmith (L.) & Son, Inc., 3 Cherry Av., Newark, N. J.
Greene Mfg. Co., Racine, Wis.
Langnow Mfg. Co., Cleveland, O.
Milwaukee Stamping Co., Milwaukee, Wis.
North & Judd Mfg. Co., New Britain, Conn.
Richmond Pressed Metal Wks., Inc., Richmond, Va.
Sessions (J. H.) & Son, Bristol, Conn.
Stanley Wks., New Britain, Conn.

HARDWARE WROUGHT IRON—See Wrought Iron Hardware

HARDWARE, Wrought Steel

Hess (Chas.) Co., 49-14 Metropolitan Av., B'klyn, N. Y.

HARDWOOD FLOOR CLEANERS—See Cleaners, Floor, Hardwood

HARMONICAS

Hohner (Wm.), Inc., 114 E. 16th, New York, N. Y.
Rolmonica Music Co., Inc., Baltimore, Md. (Chromatic)

HARNESS and SADDLERY
(See also article desired)

Allen (Bona), Inc., Buford, Ga. "Latigotan"
Boyt Company, Inc., Des Moines, Ia. "Samson"
Clinton Saddlery Co., Clinton, Ia.
Crump (Benj. T.) Co., Richmond, Va.
Des Moines Saddlery Co., Des Moines, Ia.
Dodson-Fisher Co., Minneapolis, Minn.
Dorries Co., Inc., Buffalo, N. Y.
Dyer Mfg. Co., Milwaukee, Wis.
Flickner (J. O.) Sons, Evansville, Ind.
Given (R.) & Son Co., Sidney, O.
Godfrey, G. R., Gardner, Mass.
Harbison & Gathbright, Louisville, Ky.
Heck (Wm.) Saddlery Co., California, Mo.
Hermann-Brownlow Co., Springfield, Mo.
Hess & Hopkins Leather Co., Rockford, Ill. "Honest Leather"
Indianapolis Saddlery Co., Indianapolis, Ind. "Huskey"
Jackson (A. D.) Saddlery Co., Benton, Ill.
Kessler-Barkow Saddlery Co., Atchison, Kan.
Keyston Bros., San Francisco, Cal.
Lawrence (Geo.) Co., Portland, Ore.
Los Angeles Saddlery & Finding Co., Los Angeles, Cal.
McConnell (S. R. & I. C.) Co., Burlington, Ia.
McIntyre-Burrall Co., Green Bay, Wis.
McMonies (W. H.) & Co., Portland, Ore.
Meyer Bros. Saddlery Co., Sioux City, Ia.
Michael (M.) & Bro., Paducah, Ky.
Midland Co., South Milwaukee, Wis.
Miller & Gleason, Newport News, Va.
Morley Bros., Saginaw, Mich.
Murphy, W. J., Fort Smith, Ark.
Naylon-Pierson-Hough Co., Detroit, Mich. "Peer-Ho" (Harness)
North Dakota Harness Co., Fargo, N. D.
Padgitt Bros. Co., Dallas, Tex.
Read (J. G.) & Bros. Co., Ogden, Utah.
Rehfuss, Martin, Jr., Indianapolis, Ind.
Rice (Louis P.) & Co., New Orleans, La.
Riley (Wm. H.) & Son, Bryan, O.
Robinson-McGill Mfg. Co., Shelbyville, Tenn.
Rossi Saddlery Co., St. Joseph, Mo.
Rounds (T. W.) Co., Providence, R. I.
Sattler (Peter) Co., Toledo, O.
Schaffer, W. H., Stockton, Cal.
Scheffer & Rossum Co., St. Paul, Minn.
Schollkopf Co., Dallas, Tex.
Schulze Leather & Findings Co., Duluth, Minn.
Seattle Saddlery Co., Seattle, Wash.
Sears Saddlery Co., Davenport, Ia.
Sells (J. H. & F. A.) Co., Columbus, O.
Shadburn Bros., Buford, Ga.
Shreveport Saddlery Co., Shreveport, La.
Southern Saddlery Co., Chattanooga, Tenn.
Stocklin & Herrnstein, Chillicothe, O.
Strecker Bros. Co., Marietta, O.
Sutherland (F. L.) Co., Detroit, Mich.
Threefoot Bros. & Co., Meridian, Miss.
Tuttle & Clark, Detroit, Mich.
Ulrich Mfg. Co., Kokomo, Ind.
Van Nostrand Saddlery Co., Muscatine, Ia.
Van Voorhies-Phinney Co., Sacramento, Cal.
Waterloo Saddlery Co., Waterloo, Ia.
Whitman Saddle Mfg. Co., Cincinnati, O.
Winter, H. W., Norfolk, Neb.
Youngsville Saddlery Co., Youngsville, Pa.

HARNESS and SADDLERY HARDWARE

American Chain Co., Inc., Bridgeport, Conn. "Acco"
American Hame & Bit Co., 59 N. J. R. R. Av., Newark, N. J.
Arcade Mfg. Co., Freeport, Ill.
Brooks (M. S.) & Sons, Chester, Conn.
Covert Mfg. Co., Troy, N. Y.
Eberhard Mfg. Co., 2790 Tennyson Rd., Cleveland, O.
Enterprise Mfg. Co., Dept. HA, Akron, O.
Haven Malleable Castings Co., Cincinnati, O.
Imperial Bit & Snap Co., Racine, Wis.
Jenkinson (R. C.) & Co., 289 Washington, Newark, N. J.
Midland Co., South Milwaukee, Wis.
Moline Iron Wks., Moline, Ill.
North & Judd Mfg. Co., New Britain, Conn. "Anchor Brand"
Parker Metal Goods Co., Worcester, Mass.
Smith (F. H.) Mfg. Co., Chicago, Ill.
U. S. Hame Co., Buffalo, N. Y
Waterbury Button & Mfg Co., Waterbury, Conn.
Whitehouse (E. A.) Mfg. Co., 44 Elm, Newark, N. J.
Wyeth Hdw. & Mfg. Co., St Joseph, Mo.

HARNESS AWLS—See Awls, Harness

HARNESS BITS—See Bits, Bridle

HARNESS BUCKLES—See Buckles, Harness

HARNESS CHAINS—See Chains, Harness

HARNESS, Dog

Baltimore Leather Goods Co., Baltimore, Md.
Brauer Bros., Inc., St. Louis, Mo. "Moose Brand"
Craftsman Leather Specialty Co., Dayton, O. "A-Just-X"
Decker, J. C., Inc., Montgomery, Pa.
Graton & Knight Mfg. Co., Worcester, Mass.
Kraus (Edw. E.) & Son, Milwaukee, Wis.
Lefkowitz (Louis) & Bro., 1 Greene, New York, N.Y.
Perkins-Campbell Co., Cincinnati, O. "Campbell"
Pine, Geo. D., 89 Chambers, New York, N. Y.
Schaefer (A. W.), 323 St. Nicholas Av., B'klyn, N. Y.
Schoellkopf Co., Dallas, Tex.
Stalker Mfg. Co., 71 Murray, New York, N. Y.
Stevens (W. B.) & Son, 33 Warren, New York, N.Y.
Wright, Donald, Berlin, Wis.
Wyeth Hdwe. & Mfg. Co., St. Joseph, Mo.

HARNESS DRESSINGS—See Dressings, Harness

HARNESS HARDWARE—See Harness and Saddlery Hardware

HARNESS HOOKS—See Hooks, Harness

HARNESS MAKERS' TOOLS—See article desired

HARNESS PUNCHES—See Punches, Belt and Saddlers'

HARNESS ROSETTES—See Rosettes

HARNESS, Ski and Snowshoe

American Fork & Hoe Co., Cleveland, O.
Bredenberg Bros., Inc., Champlain, N. Y. "Broadmount"
Lund (C. A.) Co., Hastings, Minn.
Northland Ski Mfg. Co., St. Paul, Minn.

HARNESS SNAPS—See Snaps, Harness

HARNESS SPOTS—See Spots, Harness

HASP LOCKS—See Locks, Hasp; also Locks, Padlock

HASPS and STAPLES

American Specialty Co., Bridgeport, Conn.
Bonney Forge & Tool Wks., Allentown, Pa.
Brainerd Mfg. Co., East Rochester, N. Y.
Brewer Bros. Co., Phila., Pa.
Corbin, P. & F., New Britain, Conn.
Corbin Cabinet Lock Co., New Britain, Conn.
Frantz Mfg. Co., Sterling, Ill.
Griffin Mfg. Co., Erie, Pa.
Hager (C.) & Sons Hinge Mfg. Co., St. Louis, Mo.
Hess (Chas. Co., 49-14 Metropolitan Av., B'klyn, N.Y.
Hurd Lock Co., Elmont, Mich.
Lanz (M.) Bolt Co., Pittsburgh, Pa.
Larson, Chas. O., Sterling, Ill.
Laughlin (Thos.) Co., 199 Fore, Portland, Me.
Lawrence Bros., Sterling, Ill.
McKinney Mfg. Co., Pittsburgh, Pa.
National Brass Co., Grand Rapids, Mich.
National Mfg. Co., Sterling, Ill.
Ney Mfg. Co., Canton, O.
Russell & Erwin Mfg. Co., New Britain, Conn. "Russwin"
Sargent & Co., New Haven, Conn.
Slaymaker Lock Co., Lancaster, Pa.
Stanley Wks., New Britain, Conn.
Titchener (E. H.) & Co., Binghamton, N. Y.
Wilcox, Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.

HASPS, Hinge

Allith-Prouty Co., Danville, Ill. (Door Bumper & Hasp)
Corbin, P. & F., New Britain, Conn.
Corbin Cabinet Lock Co., New Britain, Conn.
Four-Way Lock Co., Cleveland, O. "4-Way"
Frantz Mfg. Co., Sterling, Ill.
Griffin Mfg. Co., Erie, Pa.
Hager (C.) & Sons Hinge Mfg. Co., St. Louis, Mo.
Harris (D. B.) & Co., Chicago, Ill. (With Lock)
Hess (Chas.) Co., 49-14 Metropolitan Av., B'klyn, N. Y.
Lawrence Bros., Sterling, Ill.
Master Lock Co., 926 Juneau Av., Milwaukee, Wis.
National Mfg. Co., Sterling, Ill.
Safe Padlock & Hdw. Co., Lancaster, Pa.
Sargent & Co., New Haven, Conn.
Seymour Products Co., Seymour, Conn. "Keyin" (Combination Lock)
Slaymaker Lock Co., Lancaster, Pa.
Stanley Wks., New Britain, Conn.
Thredlock Co., 211 Centre, New York, N. Y. (With Lock)
Wilcox, Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.

HAT HOLDERS—See Holders, Hat

HAT HOOKS, See Hooks, Coat and Hat

HAT RACKS—See Racks, Coat and Hat

HATCHET WEDGES—See Wedges, Axe, Hammer and Hatchet

HATCHETS

Arcade Mfg. Co., Freeport, Ill.
Bridgeport Hdw. Mfg. Corp., Bridgeport, Conn. "Evertite," "Matchless"
Burgess-Norton Mfg. Co., Geneva, Ill. "Bur-Nor," "Scout"
Collins Co., Collinsville, Conn. "Legitimus"
Duffy Mfg. Co., Chicago, Ill.
Ennis Mfg. Co., Reading, Pa.
Estwing Mfg. Co., Rockford, Ill. "Unbreakable"
Evansville Tool Wks., Inc., Evansville, Ind. "Acme," "Tested"
Gray Iron Foundry Co., Reading, Pa. "Sure Strike"
Grey Iron Casting Co., Mt. Joy, Pa. "Monarch"

HATCHETS (Continued)

Griffiths Tool Works, Phila., Pa. "Franklin," "Germantown"
Hammond (C.) & Son, Inc., Elkins Park, Pa. "Cheltenham," "Tacony"
Kelly Axe & Tool Wks., of American Fork & Hoe Co., Charleston, W. Va. "Abe Lincoln," "Black Raven," "Columbian," "Falls City," "Flint Edge," "Hand Made," "Kelly Standard," "Perfect," "Red Rover," "Standard," "Underhill," "Vanadium," "Vulcan"
Littlestown Hdw. & Fdry. Co., Littlestown, Pa.
Mack Tool Co., Inc., East Rochester, N. Y. "D. R. Barton"
Marion Craftsman Tool Co., Marion, Ind. "Craftcoite," "Matowoc," "Totem"
Maydole (David) Tool Corp., Norwich, N. Y.
Peavey Mfg. Co., Brewer, Me.
Plumb (Fayette R.), Inc., Phila., Pa. "Anchor"
Rubinow Edge Tool Wks., 35 Vesey, Newark, N. J. "Empire"
Sayre (L. A.) Co., 332 Mulberry, Newark, N. J.
Stover Mfg. & Engine Co., Freeport, Ill.
Vaughan & Bushnell Mfg. Co., Chicago, Ill.
Winchester Repeating Arms Co., New Haven, Conn.
Wrightsville Hdwe. Co., Wrightsville, Pa.

HATCHETS, Barrelling

Burgess-Norton Mfg. Co., Geneva, Ill.
Collins Co., Collinsville, Conn. "Legitimus"
Evansville Tool Wks., Inc., Evansville, Ind. "Acme," "Tested"
Hammond (C.) & Son, Inc., Elkins Park, Pa.
Kelly Axe & Tool Wks., of American Fork & Hoe Co., Charleston, W. Va.

HATCHETS, Boy Scout—See Axes, Boy Scout, Forged Steel

HATCHETS, Flooring

Collins Co., Collinsville, Conn. "Legitimus"
Evansville Tool Wks., Inc., Evansville, Ind. "Acme," "Tested"
Hammond (C.) & Son, Inc., Elkins Park, Pa.
Kelly Axe & Tool Wks., of American Fork & Hoe Co., Charleston, W. Va.

HATCHETS, Ice

Briddell, Chas. D., Chisfield, Md.
Evansville Tool Wks., Inc., Evansville, Ind. "Acme," "Tested"
Staatsburg Ice Tool Works, Staatsburg-on-the-Hudson, N. Y.

HATCHETS, Lath

Burgess-Norton Mfg. Co., Geneva, Ill.
Collins Co., Collinsville, Conn. "Legitimus"
Evansville Tool Wks., Inc., Evansville, Ind. "Acme," "Tested"
Hammond (C.) & Son, Inc., Elkins Park, Pa. "Cheltenham," "Tacony"
Kelly Axe & Tool Wks., of American Fork & Hoe Co., Charleston, W. Va. "Underhill"
Plumb (Fayette R.), Inc., Phila., Pa.
Sayre (L. A.) Co., 332 Mulberry, Newark, N. J.

HATCHETS, Produce

Burgess-Norton Mfg. Co., Geneva, Ill.
Collins Co., Collinsville, Conn. "Legitimus"
Evansville Tool Wks., Inc., Evansville, Ind. "Acme," "Tested"
Hammond (C.) & Son, Inc., Elkins Park, Pa.
Kelly Axe & Tool Wks., of American Fork & Hoe Co., Charleston, W. Va. "Underhill"
Sayre (L. A.) Co., 332 Mulberry, Newark, N. J.

HATCHETS, Shingling

Burgess-Norton Mfg. Co., Geneva, Ill.
Collins Co., Collinsville, Conn. "Legitimus"
Evansville Tool Works, Inc., Evansville, Ind. "Acme," "Tested"
Hammond (C.) & Son, Inc., Elkins Park, Pa. "Cheltenham," "Tacony"
Kelly Axe & Tool Wks., of American Fork & Hoe Co., Charleston, W. V. "Underhill"
Plumb (Fayette R.), Inc., Phila., Pa.
Sayre (L. A.) Co., 332 Mulberry, Newark, N. J.

HATS, Hunting

Alward-Anderson-Southard Co., Chicago, Ill.
Emerson Cap Co., Toledo, O.
Superior Hat Co., St. Louis, Mo.
Utica-Duxbak Corp., Utica, N. Y.
Western Hat & Cap Co., St. Joseph, Mo.

HATS, Paper

Adler Favor & Novelty Co., St. Louis, Mo.
Beistle Co., Shippensburg, Pa.
Dessart Bros., 503 Metropolitan Av., B'klyn, N. Y.
Kirby Mfg. Co., Middletown, Conn.
Leistner, Oscar, Chicago, Illl.
"Old Glory" Mfg. Co., Chicago, Illl.

HAWKS, Plasterers'
(See also Floats, Plasterers')

Atlas-Ansonia Co., New Haven, Conn. "Sanford" (Aluminum)
Empire Level Mfg. Co., Milwaukee, Wis.
Goldblatt Tool Co., Kansas City, Mo. (Wood and Aluminum)
Holtum Mfg. Co., Freeport, Ill.
Marshalltown Trowel Co., Marshalltown, Ia.
Masons' Tool Mfg. Co., Rochester, N. Y. (Aluminum and Wood)
Mayes Bros. Tool Mfg. Co., Port Austin, Mich. (Aluminum & Wood)
Sand's Level & Tool Co., Detroit, Mich. (Wood and Aluminum)
Stearns (E. C.) Co., Syracuse, N. Y.

HAY AND ALFALFA FORKS—See Forks, Alfalfa and Hay

HAY CARRIER ROPE—See Rope, Hay Stacker

HAY CARRIER SLINGS—See Slings, Hay Carrier

HAY CARRIER TRACKS—See Tracks, Hay Carrier

HAY CARRIERS—See Carriers, Hay

HAY FORK PULLEYS—See Pulleys, Hay Fork

HAY FORK ROPE—See Rope, Hay Fork

HAY FORKS—See Forks, Alfalfa and Hay

HAY HOIST HOOKS—See Hooks, Hay Hoist

HAY HOISTING SINGLETREES—See Singletrees, Hoisting, Hay

HAY HOOKS—See Hooks, Cotton, Box, Hay, Etc.

HAY KNIVES—See Knives, Hay

HAY LOADERS—See Loaders, Hay

HAY RACK CLAMPS and FIXTURES—See Clamps and Fixtures, Hay Rack

HAY RAKES—See Rakes, Hay

HAY STACK COVERS—See Covers, Stack, Hay, Etc.

HAY STACKER ROPE—See Rope, Hay Stacker

HAY TIES—See Ties, Bale

HAY UNLOADING TOOLS—See Tools, Hay Unloading

HEDGE SHEARS—See Shears, Hedge

HEADS, Dolls'

Fulper Pottery Co., Flemington, N. J.
Kaybee Doll & Toy Co., Los Angeles, Cal.
Marks Brothers Co., Boston, Mass. (Celluloid)
Natural Doll Co., 207 Wooster, New York, N. Y.
New England Toy Co., Boston, Mass. (Celluloid)

HEADS, Grinding and Polishing

Clizbe Bros. Mfg. Co., Plymouth, Ind.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.

HEADS, Mop
(See also Sticks and Holders, Mop)

Alabama Broom & Mattress Co., Huntsville, Ala.
Algoma Mfg. Co., Algoma, Wis. "Amco"
Auburn Brush Co., Inc., Columbia, Pa.
Fisele (Thos. J.) Mop Co., St. Louis, Mo.
Hoffman Iron Mills Co., 485 Washington, New York, N. Y.
Imboden (I. C.) Mfg. Co., Lebanon, Pa. "I. C. I."
Lasting Mop & Broom Co., Evansville, Ind.
Squeez-Ezy Mop Co., Inc., New Orleans, La.
Tucker Duck & Rubber Co., Fort Smith, Ark. "Kants Kratch"
Zachary Mfg. Co., Atlanta, Ga. "Challenge," "Superior"

HEADS, Power, Deep Well Pumping

Dayton Pump & Mfg. Co., Dayton, O. "Junior"
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O. "Bull Dozer," "Defiance," "Direct-Line," "Faultless," "Hercules," "Self-Oiling"
Worthington Pump & Machy. Corp., 115 B'way, New York, N. Y.

HEALTH EXERCISERS—See Exercisers, Health

HEALTH SCALES—See Scales, Bathroom

HEAT, Canned

Sternau (S.) & Co., Inc. 9 E. 37th, New York, N. Y. "Sterno"

HEAT REGULATORS—See Regulators, Furnace

HEATER CONTROLS, Water—See Controls, Water Heater

HEATER GUARDS—See Guards, Heater

HEATER REPAIRS—See Repairs, Stove

HEATER UNITS—See Elements, Electric Heating

HEATERS—See also Furnaces; also Ranges; also Stoves

HEATERS, AIR-TIGHT—See Stoves & Ranges, Coal and Wood

HEATERS, Automobile

Ashco Corp., St. Paul, Minn.
Chicago Mfg. Co., Chicago, Ill.
Delco Appliance Corp., Rochester, N. Y.
E. A. Laboratories, Inc., 696 Myrtle Av., B'klyn, N. Y.
Eaton Mfg. Co., Cleveland, O. "Perfection"
Francisco Auto Heater Co., Columbus, O.
General Electric Co., Bridgeport, Conn.
Harrison Radiator Corp., Lockport, N. Y.
Illinois Iron & Bolt Co., Carpentersville, Ill. "Chanson"
Kingston Products Corp., Kokomo, Ind.
Metalcraft Heater Corp., Grand Rapids, Mich. "Kelch"
Mitchell Specialty Co., Phila., Pa.
Noblitt-Sparks Industries, Inc., Indianapolis, Ind.
Powell Muffler Co., Utica, N. Y.
Purcell & Co., Detroit, Mich. "Mueller-Evans"
Roth Mfg. Co., Hastings, Neb. "Red Cat"
Shepard & Moore, Inc., Cleveland, O.
Tropic-Aire, Inc., Minneapolis, Minn.
Westinghouse Electric & Mfg. Co., Mansfield, O.

HEATERS, Brooder

Advance Mfg. Co., Tipton, Ind.
American Brooder Corp., Alhambra, Cal.
Candee Incubator & Brooder Co., Eastwood, N. Y.
Harder Silo Co., Inc., Cobleskill, N. Y.
James Mfg. Co., Fort Atkinson, Wis. "Jamesway"
Mit-Shel Stamping Mfg. Co., Quincy, Ill.
Oakes Mfg. Co., Tipton, Ind. "Sturdy-Boy"
Putnam (I.), Inc., Elmira, N. Y.
Queen Stove Wks., Albert Lea, Minn. "Nu-Air"
Royal Mfg. Co., Toledo, O.
Sheer (H. M.) Co., Quincy, Ill. "Sol-Hot"
Simplex Brooder Stove Co., Grand Rapids, Mich.
Starline, Inc., Harvard, Ill.
Wotherspoon (Jas. R.), Inc., Sinking Spring, Pa. "Eureka"

HEATERS, Coal and Wood—See Stoves and Ranges, Coal and Wood

HEATERS, Curling Iron

American Electrical Heater Co., Detroit, Mich.
General Electric Co., Bridgeport, Conn. "Hot Point"
Houchin (Thos. W.) Co., 309 9th, Jersey City, N. J.
Master Electric Co., Chicago, Illl.
Nicol & Co., Chicago, Ill. "Aetna"
Oster (John) Mfg. Co., Racine, Wis. "Jomco"
Russell Electric Co., Chicago, Illl.

HEATERS, Electric

Acme Electric Heating Co., Boston, Mass. "Sun Rose"
Adams Bros. Mfg. Co., Inc., Pittsburgh, Pa. "Cheerful" (Wall)
Air-Way Electric Appliance Corp., Toledo, O. "Airiet" (Combination Air Purifier)
Aldor Corp., Chicago, Ill.
American Appliance Co., Inc., Kalamazoo, Mich. "Circulat-Aire"
American Gas Machine Co., Inc., Albert Lea, Minn. "American"
American Radiator Co., Buffalo, N. Y. (Electric Steam Radiator) "Corto"
Anderson-Pitt Corp., Kansas City, Mo. "Focalipse"
Armstrong Appliance Corp., Huntington, W. Va.
Automatic Electric Heater Co., Phila., Pa. "Sepco"
Beardsley & Wolcott Mfg. Co., Waterbury, Conn. "Torrid"
Betsey Ross Electric Products Corp., Johnson City, N. Y. "Durable"
Birtman Electric Co., Chicago, Ill. "Bee Vac," "Fan-O-Heat" (Combination Fan)
Bossert Corp., Utica, N. Y. "Duplex"
Century Stove & Mfg. Co., Johnstown, Pa. "Sun-Stream"
Champion Electric Co., Cleveland, O. "Halelectric"
Chicago Electric Mfg. Co., Chicago, Ill. "Handy Hot," "Victory"
Chicago Flexible Shaft Co., Chicago, Ill. "Sunbeam" (Combination Hair Dryer)
Com-Fo-Lator Co., Los Angeles, Cal.
Dominion Electrical Mfg. Co., Minneapolis, Minn. "Domino"
Double Heat Electric Heater Co., 17 W. 44th, New York, N. Y.
Eagle Electric Mfg. Co., 59 Hall, B'klyn, N. Y. "Gloheater"
Emerson-Brantingham Co., Rockford, Ill. "E-B Jr," "Hot Fan"
Everday Electric Co., Marion, Ind.
Favorite Stove & Range Co., Piqua, O.
Fitzgerald Mfg. Co., Torrington, Conn. "Star-Rite"
General Electric Co., Bridgeport, Conn. "Hot Point"
Gilbert (A. C.) Co., New Haven, Conn. "Polar Cub"
Graybar Electric Co., 420 Lexington, Av., New York, N. Y.
Hexcel Radiator Co., Milwaukee, Wis. (Fan)
Hipwell Mfg. Co., Pittsburgh, Pa. "Hipco"
Hot-Glow Electric Mfg. Co., Buffalo, N. Y. (Also Electric Logs)
Industrial Mfg. Co., Inc., Boston, Mass. "Imco"

HEATERS, Electric (Continued)

Jackson (Wm. H.) Co., 2 W. 47th, New York, N. Y. (Built in)
Jiffy Electric Co., Detroit, Mich.
Kautenburg (W. E.) Co., Freeport, Ill.
Knapp-Monarch Co., Belleville, Ill. "Therm-a-Hot"
Landers, Frary & Clark, New Britain, Conn. "Landers," "Universal" (Also Wall)
Lawson Mfg. Co., Pittsburgh, Pa.
Lindemann (A. J). & Hoverson Co., Milwaukee, Wis. "L. & H. Electrics"
Markel Electric Craft Corp., Buffalo, N. Y. "Heet-aire"
Metal Ware Corp., Two Rivers, Wis. "Empire"
Miller-Somes, Inc., Tarrytown, N. Y.
National Electric Appliance Corp., Bridgeport, Conn.
National Stamping & Electric Wks., Chicago, Ill. "White Cross"
Noblitt-Sparks Industries, Inc., Indianapolis, Ind. "Arvin"
Peerless Mfg. Co., Louisville, Ky. (Wall)
Porter Steel Spec., Inc., Shelbyville, Ind.
Proctor & Schwartz Electric Co., Phila., Pa. (Colored, Portable)
Prometheur Electric Corp., 358 W. 13th, New York, N. Y. (Built In)
Rock Island Mfg. Co., Rock Island, Ill. "Rimco"
Rutenber Electric Co., Marion, Ind. "Chill Chaser," "Marion"
Samson-United Corp., Rochester, N. Y.
Seymour Products Co., Seymour, Conn.
Shepler (F. W.) Stove Co., Pittsburgh, Pa. "Radia"
Simplex Div. of Edison Electric Appliance Co., Inc., Chicago, Ill. "Sunbowls"
Standard Electric Stove Co., Toledo, O. (Wall)
Stoughton Mfg. Co., Stoughton, Wis.
Superior Electric Products Corp., St. Louis, Mo. "Super Lectric" (Combination Hotplate)
Swartzbaugh Mfg. Co., Toledo, O. "Everhot"
Utica Products, Inc., Utica, N. Y.
Victor Electric Products Co., Cincinnati, O. "Imperator"
Waage Electric Co., Chicago, Ill. "Sun Heat"
Wehrle Co., Newark, O.
Westinghouse Electric & Mfg. Co., Mansfield, O. "Cozy Glow," "Solar Glow"
Willette Corp., 138 Franklin, New York, N. Y. "Stae Fast" (Wall)

HEATERS, Fireplace

Buffalo Gas Radiator Corp., North Tonawanda, N. Y. (Portable)
Century Stove & Mfg. Co., Johnstown, Pa.
Coleman Lamp & Stove Co., Wichita, Kan. (Gasoline Pressure)
Colonial Fireplace Co., Chicago, Ill. "Globot"
Electric Fireplace Mfg. Co., Chicago, Ill. "Rubycoal"
Electrocoal Grate Co., Phila., Pa.
Heitland Grate & Mantel Co., Quincy, Ill.
Herd-Bailey Co., Ardmore, Okla. "Brooks"
Hersh Electric Specialty Co., Milwaukee, Wis. (Electric Logs)
Hot-Glow Electric Mfg. Co., Buffalo, N. Y. (Also Electric Logs)
Howes (S. M.) Co., Boston, Mass. "Antique Franklin"
Jackson (Edwin A.) Bro., 50 Beekman, New York, N. Y.
Peerless Mfg. Co., Louisville, Ky. (Electric Logs)
Quad Stove Mfg. Co., Columbus, O.
Quick Meal Stove Co., St. Louis, Mo.
Ray-Glo Corp., Athens, O.
Reading Stove Wks., Reading, Pa. "Sunshine"
Reznor Mfg. Co., Mercer, Pa. "Orthoray"
Richardson & Boynton Co., 244 Madison Av., New York, N. Y. "Perfect"
Roper (Geo. D.) Corp., Rockford, Ill.
Sexton (S. B.) Stove & Mfg. Co., Baltimore, Md.
Shepler (F. W.) Stove Co., Pittsburgh, Pa. "Radia"
Sheppard (Isaac A.) Co., Phila., Pa.
Strait & Richards, Fabyan Pl., Newark, N. J. "Glo-log"
Union Stove Wks., 70 Beekman, New York, N. Y. "Astor Franklin"
Wheeling Corrugating Co., Wheeling, W. Va.

HEATERS, Fuel Oil

Perfection Stove Co., 7609 Platt Ave., Cleveland, O. "Superflex" (Service Station & Crank Case Draining)

HEATERS, Garage

Adamson Mfg. Co., East Palestine, O. "Radia Steel"
American Radiator Co., Buffalo, N. Y. "Arcola"
Brower Mfg. Co., Quincy, Ill.
Century Stove & Mfg. Co., Johnstown, Pa. "Hot Blast"
Cox (Abram) Co., Phila., Pa.
Estate Stove Co., Hamilton, O.
Fuller & Warren Co., Troy, N. Y.
Globe American Corp., Kokomo, Ind. (Oil Burning)
Hugo Mfg. Co., Duluth, Minn. "Klinert"
Mannen (John E.) Co., Cleveland, O.
Northfield Iron Co., Northfield, Minn. "Economy"
Reznor Mfg. Co., Mercer, Pa.
Shepler (F. W.) Stove Co., Pittsburgh, Pa. "Radia"
Syracuse Radiator Co., Syracuse, N. Y. "Syraco"
Wellston Mfg. Co., Wellston, O.

HEATERS, Gas

(See also Radiators, Gas; also under Stoves)

Adams Bros. Mfg. Co., Inc., Pittsburgh, Pa. "Cheerful"
Alcazar Range & Heater Co., Milwaukee, Wis.
American Beauty Stove Co., Erie, Pa.
American Foundry & Machine Co., Hamilton, O.
American Gas Products Corp., Chrysler Bldg., New York, N. Y. "Brilliant," "Wolffire"
American Stove Co., St. Louis, Mo. "Golden Glow," "Hot Spot," "Quick Comfort," "Reliable"
Brown & Sharpe Mfg. Co., Providence, R. I.
Buffalo Co-operative Stove Co., Buffalo, N. Y. "Amherst"
Cahill Co., Chattanooga, Tenn.
Century Stove & Mfg. Co., Johnstown, Pa.
Channon-Emery Stove Co., Quincy, Ill. "Neverfail"
Coleman Lamp & Stove Co., Wichita, Kan. (Gasoline Pressure)
Dangler Stove Co. Div., American Stove Co., Cleveland, O.
Eriez Stove & Mfg. Co., Erie, Pa.
Florence Stove Co., Gardner, Mass.
Fremont Stove Co., Fremont, O.
General Gas Light Co., Kalamazoo, Mich. "Humphrey Radiation," "Radiantfire"
Globe American Corp., Kokomo, Ind. "Glow-Boy," "Ray-Boy"
Gray & Dudley Co., Nashville, Tenn. "Commander Washington"
Great Western Stove Co., Leavenworth, Kan. "Great Western"
Griswold Mfg. Co., Erie, Pa.
Hammer-Bray Co., Oakland, Ca. "Spark"
Hayes-Custer Stove & Furnace Co., Bloomington, Ill. "Normal" (Pressure Gas)
Herd-Bailey Co., Ardmore, Okla. "Brooks"
Home Stove Co., Indianapolis, Ind.
Houchin (Thos. W.) Co., 309 9th, Jersey City, N. J. "Firelite," "Vesuvius"
Ironton Stove & Mfg. Co., Ironton, O. "Master Ray"
Jackes-Evans Mfg. Co., 4400 N. Union Blvd., St. Louis, Mo. "A-210," "Cardinal," "8 Minute," "Falcon," "Flamingo," "Lark," "Oriole," "Peacock," "Regal," "Swan," "Thrush"
Kohler Die & Specialty Co., De Kalb, Ill.
Lawson Mfg. Co., Pittsburgh, Pa.
Leonard Metal Wks., Kankakee, Ill.
Lindemann (A. J.) & Hoverson Co., Milwaukee, Wis. "L. & H."
New Process Stove Co., Div. American Stove Co., Cleveland, O.
Odin Stove Mfg. Co., Erie, Pa.
Ohio Foundry & Mfg. Co., Steubenville, O.
Oliver Oil-Gas Burner & Mach. Co., St. Louis, Mo.
Otis Boiler Co., Oswego, N. Y.
Pittsburgh Water Heater Co., Pittsburgh, Pa.
Pittston Stove Co., Pittston, Pa. "Happy Thought," "Lehigh" (Parlor Furnace)
Portable Elevator Mfg. Co., Bloomington, Ill. "Circo"
Quad Stove Mfg. Co., Columbus, O.
Quick Meal Stove Co., St. Louis, Mo.
Quincy Stove Mfg. Co., Quincy, Ill. "Monogram"
Ray-Glo Corp., Athens, O. "Superay"
Reliable Stove Co. Div., American Stove Co., Cleveland, O.
Reznor Mfg. Co., Mercer, Pa.
Roesch Enamel Range Co., Inc., Belleville, Ill.
Roper (Geo. D.) Corp., Rockford, Ill. "Sheetflame"
Rudy Furnace Co., Dowagiac, Mich.
Ruud Mfg. Co., Pittsburgh, Pa. "Humphrey"
Schoedinger, F. O., Columbus, O. "Fosco," "Ohio State," "Thermola," "Thermoray"
Seed Filter & Mfg. Co., 353 B'way, New York, N. Y. "Seeco"
Seymour Products Co., Seymour, Conn.
Shepler (F. W.) Stove Co., Pittsburgh, Pa. "Radia"
Standard Gas Equipment Corp., 18 E. 41st, New York, N. Y. "Oriole," "Triplex," "Vulcan"
Thermophore Mfg. Co., Kalamazoo, Mich.
Waterman (Hy) & Bros., 811 E. 9th, New York, N. Y.
Welsbach Co., Gloucester City, N. J.
Wehrle Co., Newark, O.
Wheeling Corrugating Co., Wheeling, W. Va.
Woolwine Metal Products Co., Los Angeles, Cal.

HEATERS, Gasoline

Alcazar Range & Heater Co., Milwaukee, Wis.
American Gas Machine Co., Inc., Albert Lea, Minn. "American," "Ready-glo" (Bowl Type & Radiant)
Coleman Lamp & Stove Co., Wichita, Kan. "Radiant" (Gasoline Pressure)
Lindemann (A. J.) & Hoverson Co., Milwaukee, Wis. "Kerogas"
National Enameling & Stamping Co., Milwaukee, Wis. "Nesco," "Saftematic"
Prentiss Wabers Products Co., Wisconsin Rapids, Wis. "Preway"

HEATERS, Glue

General Electric Co., Schenectady, N. Y.
Globe Mach. & Stamping Co., Cleveland, O.
Liberty Electric Co., Indianapolis, Ind.
Nason Mfg. Co., 71 Fulton, New York, N. Y.
National Electrical Supply Co., Washington, D. C. "Calorel"
New Advance Mchy. Co., Van Wert, O. "Wetmore"
Oliver Machinery Co., Grand Rapids, Mich.
Sta-Warm Elec. Co., Ravenna, O.
Van Dorn Electric Tool Co., Towson, Md.

HEATERS, Hot Bed, Electric

Swartzbaugh Mfg. Co., Toledo, O. "Everhot"
Westinghouse Electric & Mfg. Co., Mansfield, O.

HEATERS, Oil—See Stoves and Heaters, Oil Burning

HEATERS, Orchard

American Can Co., 230 Park Av., New York, N. Y.
Ames (W. R.) Co., San Francisco, Cal.
National Enameling & Stamping Co., Milwaukee, Wis.
Riverside Sheet Metal Wks., Riverside, Cal.
Whiting-Mead Commercial Co., Los Angeles, Cal.

HEATERS, Tailors' Iron

American Stove Co., St. Louis, Mo. "Quick Comfort" (Gasoline)
Weiskittel (A.) & Son Co., Baltimore, Md.

HEATERS, Tank, Stock

American Gas Machine Co., Inc., Albert Lea, Minn. "American" (Gasoline)
American Scale Co., Kansas City, Mo.
Beatrice Steel Tank Mfg. Co., Beatrice, Neb. "Nu-Way"
Busby (C. E.) & Co., Washington, Ia. "National"
Bushnell Pump Co., Bushnell, Ill.
Butler Co., Butler, Ind. "Hot Stuff," "Twentieth Century"
Butler Mfg. Co., Kansas City, Mo. "Inferno," "20-Hour"
Cedar Rapids Foundry & Mach. Co., Cedar Rapids, Ia. "Clover Leaf"
Celina Mfg. Co., Celina, O. "Artic"
Challenge Co., Batavia, Ill.
Dane Mfg. Co., Dane, Wis. "Dohm"
Dayton-Dowd Co., Quincy, Ill. "Economy"
Des Moines Steel Tank Co., Des Moines, Ia. "Drew Grub," "Grub"
Eagle Foundry Co., Belleville, Ill. "Giant," "Hercules," "Junior"
Fairbanks, Morse & Co., Chicago, Ill. "Eclipse"
Falls City Steel Works, Falls City, Neb.
Ferguson Mfg. Co., Dubuque, Ia. "Gem," "Nelson," "Star"
Flint & Walling Mfg. Co., Kendallville, Ind. "Hoosier"
Freeland Steel Tank Co., Portage, Wis. "Madison," "Pioneer"
Heller-Aller Co., Napoleon, O. "Napoleon"
Howell (R. R.) & Co., Minneapolis, Minn. "Keystone," "Perfection"
Hudson (H. D.) Mfg. Co., 589 E. Illinois, Chicago, Ill. "Klondike," "Nelson," "Zero"
Keeley Stove Co., Columbia, Pa.
Lloyd Mfg. Co., Menominee, Mich.
Mit-Shel Stamping Mfg. Co., Quincy, Ill.
Moore Mfg. Co., Waterloo, Ia. "E-Z"
Mott (J. L.) Iron Wks., 535 5th Av., New York, N. Y.
Mundie Mfg. Co., Peru, Ill. "Cow Boy"
Nebraska & Iowa Steel Tank Co., Omaha, Neb. "Gilt Edge"
Only Tank Heater Co., Knoxville, Ill.
Plattner-Yale Mfg. Co., Lincoln, Neb. "Black Imp"
Queen Stove Wks., Albert Lea, Minn.
Quinn Wire & Iron Wks., Boone, Ia. "Daisy"
Rippley Mfg. Co., Grafton, Ill.
Ross Supply Co. Greenville, O. "Rex"
Ruud Mfg. Co., Pittsburgh, Pa.
St. Paul Roofing, Cornice & Ornament Co., St. Paul, Minn. "Pruden"
Sargent, Osgood & Roundy Co., Randolph, Vt. "Randolph"
Sheldon Engine & Sales Co., Waterloo, Ia.
Star Tank Co., Goshen, Ind. "Eclipse," "Ideal"
Starline, Inc., Harvard, Ill. "Black Jack," "Harvard," "Iron King," "New Rinkle," "Standard"
Sterling Foundry Co., Sterling, Ill. "Best," "The Best"
Stewart Mfg. Co., Waterloo, Ia. "Special"
Stover Mfg. & Engine Co., Freeport, Ill.
Swift Mfg. Co., Waterloo, Ia. "Practical"
Thieman Harvester Co., Inc., Albert City, Ia. (Self Heating)
U. S. Engine & Pump Co., Batavia, Ill. "Artic," "Frost King"
Vernier Mfg. Co., Cedar Rapids, Ia.
Waterloo Mfg. Co., Waterloo, Ia.
Western Hog Oiler Co., Washington, Ia. "Farmers' Delight"
Western Steel Products Co., Duluth, Minn.
Whitaker Mfg. Co., Chicago, Ill. "Elgin," "Hold Fire"

HEATERS, Water—See Heaters, Water, Gas, Radiation

HEATERS, Water, Electric

American Electric Heater Co., Phila., Pa.
Automatic Electric Heater Co., Phila., Pa. "Sepco"
Clark Electric Water Heater Co., Div. of McGraw Electric Co., Chicago, Ill.
Cunningham Products Corp., 150 Lafayette, New York, N. Y. "Hot Stream" (Faucet)
Dexall Mfg. Co., 21 Prospect, Newark, N. J. (Faucet)
Edison General Electric Appliance Co., Inc., Chicago, Ill.
Electric Heater Corp., Bridgeport, Conn.
Florence Stove Co., Gardner, Mass.
General Electric Co., Schenectady, N. Y.
Gold Seal Appliance Corp., East Newark, N. J. (Faucet)
Grinnell Electric Heater Co., Grinnell, Ia.
Hall Electric Heating Co., Inc., Phila., Pa. "Hallmark"
Hankscraft Co, Madison, Wis. "Jiffy" (Immersion)
H. L. G. Mfg. Co., Indianapolis, Ind.
Hynes & Cox Electric Co., Albany, N. Y. "Red Crown"

HEATERS, Water, Electric (Continued)

Kwik Electric Co., 41 42nd, Irvington, N. J. (Faucet)
Landers, Frary & Clark, New Britain, Conn. "Universal" (Immersion)
Lindemann (A. J.) & Hoverson Co., Milwaukee, Wis.
Loetscher-Ryan Mfg. Co., Dubuque, Ia.
Majestic Electric Appliance Co., San Francisco, Cal.
Malleable Iron Range Co., Beaver Dam, Wis. "Monarch"
Muter (Leslie F.) Co., Chicago, Ill. "Hot Donut"
National Stamping & Electric Wks., Chicago, Ill. "Superior," "White Cross"
Philadelphia Electrical & Mfg. Co., Phila., Pa. "Pemco"
Rodale Mfg. Co., Emaus, Pa. (Faucet)
Samson-United Corp., Rochester, N. Y. (Immersion)
Simplex Electric Heating Co., Cambridge, Mass.
Standard Electric Stove Co., Toledo, O.
Sta-Warm Elec. Co., Ravenna, O.
Summit Mfg. Co., Davenport, Ia.
Temp-Rite, Inc., Defiance, O.
Terminal Products Co., Inc., 200 Hudson, New York, N. Y. "Tom Thumb" (Faucet)
Thermogray Co., Jefferson, Ia.
Troop Water Heater Co., Pittsburgh, Pa. "Excel"
Watlow Electric Mfg. Co., St. Louis, Mo. "Handy"
Westinghouse Electric & Mfg. Co., Mansfield, O. "Adapt-O-Matic" (Automatic)
White Beauty Electric Co., Inc., Chicago, Ill. (Immersion)

HEATERS, Water, Fuel Oil

Perfection Stove Co., 7609 Platt Av., Cleveland, O. "Superflex"

HEATERS, Water, Gas, Radiation

American Gas Machine Co., Inc., Albert Lea, Minn. "American"
American Radiator Co., Buffalo, N. Y. "Hotcoil," "Ideal"
American Stove Co., St. Louis, Mo. "Reliable"
Atlanta Stove Wks., Atlanta, Ga.
Bastian-Morley Co., La Porte, Ind. "Gem Barbers'," "Marvel," "Royal," "Superior"
Buckwalter Stove Co., Royersford, Pa.
Buffalo Nipple & Mach. Co., Phila., Pa.
Clark (Geo. M.) & Co., Div., American Stove Co., Chicago, Ill. (Non-Radiation)
Cox (Abram) Co., Phila., Pa. "Fortune," "Novelty"
Crane Co., Chicago, Ill.
Detroit-Michigan Stove Co., Detroit, Mich. "Garland," "Jewel"
Ever Hot Heater Co., Detroit, Mich.
Excelso Specialty Wks., Buffalo, N. Y. (Furnace Attach Type)
Favorite Stove & Range Co., Piqua, O.
Florence Stove Co., Gardner, Mass.
Globe American Corp., Kokomo, Ind.
Gurney Heater Mfg. Co., Boston, Mass.
Hayes-Custer Stove & Furnace Co., Bloomington, Ill. "Normal" (Pressure Gas)
Hoffman Heater Co., Louisville, Ky.
Holyoke Heater Co., Holyoke, Mass. (Also Kerosene)
Illinois Malleable Iron Co., Chicago, Ill.
Kompak Co., New Brunswick, N. J. "Premier"
Laurelton Fdry. Co., Laurelton, Pa.
Lawson Mfg. Co., Pittsburgh, Pa.
Lovekin Water Heater Co., Phila., Pa.
Mann (F. W.) Co., Milford, Mass. "Pluserco"
Middletown Mfg. Co., Middletown, O. "Miami"
Miller (Wm.) Range & Furnace Co., Cincinnati, O.
National Enameling & Stamping Co., Milwaukee, Wis. "Nesco"
Parrott Heater Co., Detroit, Mich.
Pittsburgh Water Heater Co., Pittsburgh, Pa.
Putnam Co., Putnam, Conn.
Quick Meal Stove Co., St. Louis, Mo.
Richardson & Boynton Co., 244 Madison Av., New York, N. Y.
Ruud Mfg. Co., Pittsburgh, Pa. "Humphrey"
Smith (H. B.) Co., Westfield, Mass.
Stack Heater Co., Boston, Mass.
Standard Foundry & Furnace Co., De Kalb, Ill. "Hero"
Standard Gas Equipment Corp., 18 E. 41st., New York, N. Y. "Oriole," "Triplex"
Universal Heater Mfg. Co., St. Louis, Mo. "Jiffy"
Whitlock Coil Pipe Co., Hartford, Conn. "Sure Hot" (Furnace Attach Type)
Wood (John) Mfg. Co., Conshohocken, Pa. "Electric Weld"

HEATERS, Water, Gasoline and Kerosene

American Gas Machine Co., Inc., Albert Lea, Minn. "American" (Gasoline)
Automatic Burner Corp., Chicago, Ill. "A.B.C.," "Kleen-Heat," "Queen"
Florence Stove Co., Gardner, Mass.
Holyoke Heater Co., Holyoke, Mass.
Hotstream Heater Co., Cleveland, O.
National Enameling & Stamping Co., Milwaukee, Wis. "Nesco"
Pearson Mfg. Co., Robbinsdale, Minn.
Perfection Stove Co., Inc., 7609 Platt Av., Cleveland, O. "Puritan"
Prentiss Wabers Products Co., Wisconsin Rapids, Wis. "Preway"

HEATERS, Wood—See Stoves and Ranges, Coal and Wood

HEATING BOILERS—See Boilers, Heating

HEATING PADS, Electric—See Pads, Heating, Electric

HEAVY HARDWARE—See article desired

HEDGE KNIVES—See Knives, Hedge

HEDGE PRUNERS—See Pruners, Hedge

HEDGE SHEARS—See Shears, Sheep, Grass and Hedge

HEEL CHAINS—See Chains, Heel

HEEL KNIVES—See Knives, Shoe

HEEL PLATES—See Plates, Heel

HEELS, Malleable—See Soles and Heels, Malleable

HEELS, Rubber—See Soles and Heels, Rubber

HEIGHT GAGES—See Gages, Height

HEMP ROPE—See Rope, Hemp

HEMP TWINE—See Twine, Wrapping, Etc.

HEXAGON NUTS—See Nuts, Hexagon; also Nuts, Square and Hexagon

HICKORY HANDLES—See Handles, Hickory

HIGH SPEED STEEL—See Steel, Tool

HINGE HASPS—See Hasps, Hinge

HINGE PLATES, Corner—See Plates, Hinge, Corner

HINGES, Ball Bearing

Corbin, P. & F., New Britain, Conn.
Sargent & Co., New Haven, Conn.
Stanley Works, New Britain, Conn.
Yale & Towne Mfg. Co., Stamford, Conn.

HINGES, Barn Door—See type desired, under Hinges

HINGES, Blind, Shutter, Etc.

Austin & Eddy, Boston, Mass.
Corbin, P. & F., New Britain, Conn.
Enterprise Foundry Co., Rochester, N. Y.
Grey Iron Casting Co., Mt. Joy, Pa. "Lull & Porter," "Scholl"
Hess (Chas.) Co., 49-14 Metropolitan Av., B'klyn, N. Y.
Lawrence Bros., Sterling, Ill.
McKinney Mfg. Co., Pittsburgh, Pa.
Parker Wire Goods Co., Worcester, Mass. "Hale & Benjamin's"
Penn Hdw. Co., Reading, Pa.
Peters (Jas.) & Son, Phila, Pa.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Reading Hdw. Co., Reading, Pa.
Riverside Foundry Co., Wrightsville, Pa.
Roanoke Iron & Bridge Wks., Roanoke, Va.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.
Stanley Wks., New Britain, Conn.
Susquehanna Casting Co., Wrightsville, Pa.
Waterbury Brass Goods Corp., Waterbury, Conn.
Wrightsville Hdw. Co., Wrightsville, Pa. "Acme," "Buffalo," "Champion," "Clark's," "Niagara," "O. S.," "Old Style," "Pioneer," "Queen City," "Shepard's," "W. H. Co."

HINGES, Box

Acme Steel Co., Chicago, Ill.
Corbin Cabinet Lock Co., New Britain, Conn.
Ludwig (A.) & Co., 75 Spring, New York, N. Y.
Stanley Wks., New Britain, Conn.
Veeder-Root, Inc., Hartford, Conn.
Williams (F. B.) Co., Chicago, Ill.

HINGES, Butt

Bayer-Gardner-Himes Co., 101 Park Av., New York, N. Y.
Brainerd Mfg. Co., East Rochester, N. Y.
Bronson (Homer D.) Co., Beacon Falls, Conn.
Chicago Spring Hinge Co., Chicago, Ill. "Simplex"
Corbin, P. & F., New Britain, Conn.
Dayton Mfg. Co., Dayton, O.
Dent Hdw. Co., Fullerton, Pa.
Fiwale Equipment Mfg. Co., Inc., 64 Reade, New York, N. Y.
Frantz Mfg. Co., Sterling, Ill.
Frost (C. L.) & Son, Grand Rapids, Mich.
Griffin Mfg. Co., Erie, Pa.
Hager (C.) & Sons Hinge Mfg. Co., St. Louis, Mo.
Hess (Chas.) Co., 49-14 Metropolitan Av., B'klyn, N. Y.
Keil (Francis) & Son, Inc., 401 E. 163d, New York, N. Y.
Lawrence Bros., Sterling, Ill.
Lockwood Mfg. Co., South Norwalk, Conn.
McKinney Mfg. Co., Pittsburgh, Pa.
National Lock Co., Rockford, Ill.
National Mfg. Co., Sterling, Ill.
Norwalk Lock Co., 12 Warren, New York, N. Y.
Penn Hdw. Co., Reading, Pa.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Reading Hdw. Co., Reading, Pa.
Richards-Wilcox, Aurora, Ill.
Root (Chas. J.) Co., Bristol, Conn.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.
Scovill Mfg. Co., Waterbury, Conn.
Sharon Hdw. Mfg. Co., Sharon, Pa.
Shelby Metal Products Co., Shelby, O.
Shelby Spring Hinge Co., Shelby, O.
Soss Mfg. Co., Roselle, N. J.
Stanley Wks., New Britain, Conn.
Stover Mfg. & Engine Co., Freeport, Ill.
Waterbury Brass Goods Corp., Waterbury, Conn.
Yale & Towne Mfg. Co., Stamford, Conn.

HINGES, Butt, Spring

Arcade Mfg. Co., Freeport, Ill.
Bayer-Gardner-Himes Co., 101 Park Av., New York, N. Y. "Awl-in-Wun"
Bommer Spring Hinge Co., 263 Classon Av., B'klyn, N. Y.
Brainerd Mfg. Co., East Rochester, N. Y.
Chicago Spring Hinge Co., Chicago, Ill. "Simplex," "Triplex"
Corbin, P. & F., New Britain, Conn.
Fernald Mfg. Co., North East, Pa.
Frantz Mfg. Co., Sterling, Ill.
Milwaukee Stamping Co., Milwaukee, Wis. "Lawson-Milwaukee," "Nu Jamb"
Norwalk Lock Co., 12 Warren, New York, N. Y.
Russell & Erwin Mfg. Co., New Britain, Conn. "Russwin"
Sargent & Co., New Haven, Conn.
Shelby Metal Products Co., Shelby, O.
Shelby Spring Hinge Co., Shelby, O.
Smith (F. H.) Mfg. Co., Chicago, Ill. "Niles Double Action"
Stanley Wks., New Britain, Conn.

HINGES, Cabinet

American Ring Co., Dept. W., Waterbury, Conn.
Brainerd Mfg. Co., East Rochester, N. Y.
Corbin, P. & F., New Britain, Conn.
Corbin Cabinet Lock Co., New Britain, Conn.
Fiwale Equipment Mfg. Co., Inc., 64 Reade, New York, N. Y.
Frost (C. L.) & Son, Grand Rapids, Mich.
Griffin Mfg. Co., Erie, Pa.
McKinney Mfg. Co., Pittsburgh, Pa.
National Brass Co., Grand Rapids, Mich. "Essential"
National Lock Co., Rockford, Ill.
Reliable Mfg. Co., New Haven, Conn.
Rixson (Oscar C.) Co., Chicago, Ill. "Olive-Knuckle"
Slaymaker Lock Co., Lancaster, Pa.
Soss Mfg. Co., Roselle, N. J.
Stanley Wks., New Britain, Conn.
Veeder-Root, Inc., Hartford, Conn.
Yale & Towne Mfg. Co., Stamford, Conn.

HINGES, Cellar Window—See Fixtures, Window, Cellar; also Sets, Window, Cellar; also type desired under Hinges

HINGES, Door, Cellar—See Hinges, Strap and "T"

HINGES, Door, Closet, Spring

Arcade Mfg. Co., Freeport, Ill.
Bommer Spring Hinge Co., 263 Classon Av., B'klyn, N. Y.
Columbus Brass Co., Columbus, O.
Fernald Mfg. Co., North East, Pa.
Nelson (N. O.) Mfg. Co., St. Louis, Mo.
Stearns (E. C.) & Co., Syracuse, N. Y.
Stover Mfg & Engine Co., Freeport, Ill. "Slip-A-Part"

HINGES, Door, Garage—See Hangers and Hinges, Door, Garage

HINGES, Door, Screen

Allith-Prouty Co., Danville, Ill. "King," "Prouty"
American Brass Goods Co., Grand Rapids, Mich.
Arcade Mfg. Co., Freeport, Ill. "A-C," "Non-Sag"
Beardsley & Wolcott Mfg. Co., Waterville, Conn.
Bommer Spring Hinge Co., 263 Classon Av., B'klyn, N. Y.
C-K-R Company, Cleveland, O. "Little Giant"
Champion Hdw. Co., Geneva, O.
Chantrell Hdw. & Tool Co., Reading, Pa.
Chicago Spring Hinge Co., Chicago, Ill.
Coleman Hdwe. Co., Inc., Chicago, Ill.
Corbin Cabinet Lock Co., New Britain, Conn.
Fernald Mfg. Co., North East, Pa.
Fiwale Equipment Mfg. Co., Inc., 64 Reade, New York, N. Y.
Frantz Mfg. Co., Sterling, Ill.
Gage Mfg. Co., Brookville, O. (Demountable)
Griffin Mfg. Co., Erie, Pa.
Hager (C.) & Sons Hinge Mfg. Co., St. Louis, Mo.
Kees (F. D.) Mfg. Co., Beatrice, Neb.
Lawrence Bros., Sterling, Ill.

HINGES, Door, Screen (Continued)

Milwaukee Stamping Co., Milwaukee, Wis. "Lawson-Milwaukee"
National Mfg. Co., Sterling, Ill.
Oliver Iron & Steel Co., Pittsburgh, Pa.
Phenix Mfg. Co., Milwaukee, Wis.
Pressed Metal Products Co., Cleveland, O.
Russell & Erwin Mfg. Co., New Britain, Conn. "Russwin"
Sargent & Co., New Haven, Conn.
Scovill Mfg. Co., Waterbury, Conn.
Sharon Hdw. Mfg. Co., Sharon, Pa.
Shelby Metal Products Co., Shelby, O.
Shelby Spring Hinge Co., Shelby, O. "Davis"
Simons Paint Spray Brush Co., Dayton, O.
Slaymaker Lock Co., Lancaster, Pa.
Stanley Wks., New Britain, Conn.
Stover Mfg. & Engine Co., Freeport, Ill. "Slip-A-Part"
Wagner Mfg. Co., Cedar Falls, Ia.

HINGES, Door, Spring

Allith-Prouty Co., Danville, Ill.
Arcade Mfg. Co., Freeport, Ill. "Non-Sag"
Bommer Spring Hinge Co., 263 Classon Av., B'klyn, N. Y.
C-K-R Company, Cleveland, O. "Little Giant"
Chicago Spring Hinge Co., Chicago, Ill. "Ajax," "Premier," "Relax," "Sagless," "Simplex," "Triplex"
Cleveland Lock Works, Cleveland, O.
Fernald Mfg. Co., North East, Pa.
Frantz Mfg. Co., Sterling, Ill.
Gardner-Vail, Inc., Chicago, Ill. (Lavatory)
National Lock Co., Rockford, Ill.
Norwalk Lock Co., 12 Warren, New York, N. Y.
Reading Hdw. Co., Reading, Pa.
Sargent & Co., New Haven, Conn.
Scovill Mfg. Co., Waterbury, Conn.
Shelby Metal Products Co., Shelby, O.
Shelby Spring Hinge Co., Shelby, O.
Smith (F. H.) Mfg. Co., Chicago, Ill. "Nile's"
Stanley Wks., New Britain, Conn.
Stearns (E. C.) & Co., Syracuse, N. Y. "Matchless," "Stearns Ecsco"
Stover Mfg. & Engine Co., Freeport, Ill. "Slip-A-Part"
Superior Spring Hinge Co., Chicago, Ill.

HINGES, Double Acting, Spring

Allith-Prouty Co., Danville, Ill. "Prouty"
Bommer Spring Hinge Co., 263 Classon Av., B'klyn, N. Y.
Champion Hdw. Co., Geneva, O.
Chicago Spring Hinge Co., Chicago, Ill.
Clinton Lock Co., Clinton, Ia.
Columbus Brass Co., Columbus, O.
Dayton Mfg. Co., Dayton, O.
Frantz Mfg. Co., Sterling, Ill.
Kostlan Auto Co., Traer, Ia.
Milwaukee Stamping Co., Milwaukee, Wis. "Lawson-Milwaukee," "Nu Jamb"
Sargent & Co., New Haven, Conn.
Shelby Metal Products Co., Shelby, O.
Shelby Spring Hinge Co., Shelby, O. "Chief," "Eclipse"
Smith (F. H.) Mfg. Co., Chicago, Ill. "Niles"
Stanley Wks., New Britain, Conn.
Stover Mfg. & Engine Co., Freeport, Ill. "Ideal"
Superior Spring Hinge Co., Chicago, Ill.
Western Brass Mfg. Co., San Francisco, Cal.

HINGES, Floor

Allith-Prouty Co., Danville, Ill. "Allith," "3100"
Bommer Spring Hinge Co., 263 Classon Av., B'klyn, N. Y.
Champion Hdw. Co., Geneva, O.
Chicago Spring Hinge Co., Chicago, Ill.
Clinton Lock Co., Clinton, Ia.
Corbin, P. & F., New Britain, Conn.
Frantz Mfg. Co., Sterling, Ill.
Milwaukee Stamping Co., Milwaukee, Wis. "Lawson-Milwaukee"
National Mfg. Co., Sterling, Ill.
Rixson (Oscar C.) Co., Chicago, Ill. "Bardsley"
Russell & Erwin Mfg. Co., New Britain, Conn. "Russwin"
Sargent & Co., New Haven, Conn.
Shelby Metal Products Co., Shelby, O.
Shelby Spring Hinge Co., Shelby, O. "Chief"
Stanley Wks., New Britain, Conn.
Stover Mfg. & Engine Co., Freeport, Ill. "New Ideal"
Superior Spring Hinge Co., Chicago, Ill.

HINGES, Friction

Corbin Cabinet Lock Co., New Britain, Conn.
Keystone Friction Hinge Co., Williamsport, Pa.
McKinney Mfg. Co., Pittsburgh, Pa.
Rixson (Oscar C.) Co., Chicago, Ill.
Russell & Erwin Mfg. Co., New Britain, Conn. "Russwin"
Stanley Wks., New Britain, Conn.

HINGES, Gate

Cyclone Fence Co., Waukegan, Ill.
Frantz Mfg. Co., Sterling, Ill.
Grey Iron Casting Co, Mt. Joy, Pa., "Clark," "Donegal," "Self-Closing"
Griffin Mfg. Co., Erie, Pa.
Hess (Chas.) Co., 49-14 Metropolitan Av., B'klyn, N. Y.
Milwaukee Stamping Co., Milwaukee, Wis. "Lawson-Milwaukee"
Parker (Chas.) Co., Meriden, Conn.
Penn Hdw. Co., Reading, Pa.
Peters (Jas.) & Son, Phila., Pa.
Reading Hdw. Co., Reading, Pa.
Sargent & Co., New Haven, Conn.
Schwartz (M.) & Sons Mfg. Co., Chicago, Ill.
Shelby Spring Hinge Co., Shelby, O.
Stanley Wks., New Britain, Conn.
Susquehanna Casting Co., Wrightsville, Pa.
Wrightsville Hdw. Co., Wrightsville, Pa. "Clark's," "St. Louis," "Shepard's," "Squirrel Tail"

HINGES, Gate, Office

Bommer Spring Hinge Co., 263 Classon Av., B'klyn, N. Y.
Chicago Spring Hinge Co., Chicago, Ill. "Sagless"
Corbin, P. & F., New Britain, Conn.
Griffin Mfg. Co., Erie, Pa.
Milwaukee Stamping Co., Milwaukee, Wis. "Lawson-Milwaukee," "Universal"

HINGES, Hook and Eye

Hager (C.) & Sons Hinge Mfg. Co., St. Louis, Mo.
Hess (Chas.) Co., 49-15 Metropolitan Av., B'klyn, N. Y.
McKinney Mfg. Co., Pittsburgh, Pa.
Oliver Iron & Steel Co., Pittsburgh, Pa.
Richards-Wilcox Mfg. Co., Aurora, Ill.

HINGES, Hook and Strap

Allith Prouty Co., Danville, Ill.
Frantz Mfg. Co., Sterling, Ill.
Griffin Mfg. Co., Erie, Pa.
Hager (C.) & Sons Hinge Mfg. Co., St. Louis, Mo.
Hess (Chas.) Co., 49-14 Metropolitan Av., B'klyn, N. Y.
Lawrence Bros., Sterling, Ill.
McKinney Mfg. Co., Pittsburgh, Pa.
National Mfg. Co., Sterling, Ill.
Oliver Iron & Steel Co., Pittsburgh, Pa.
Sargent & Co., New Haven, Conn.
Sharon Hdw. Mfg. Co., Sharon, Pa.
Stanley Wks., New Britain, Conn.

HINGES, Invisible

National Lock Co., Rockford, Ill.
Richards-Wilcox Mfg. Co., Aurora, Ill.
Soss Mfg. Co., Roselle, N. J.
Stanley Wks., New Britain, Conn.

HINGES, Ornamental

Brainerd Mfg. Co., East Rochester, N. Y.
Clegg Mfg. & Tool Co., Attleboro, Mass. (Brass)
Corbin, P. & F., New Britain, Conn.
Corbin Cabinet Lock Co., New Britain, Conn.
Detroit Hardware Mfg. Co., Detroit, Mich.
Griffin Mfg. Co., Erie, Pa.
Hess (Chas.) Co., 49-14 Metropolitan Av., B'klyn, N. Y.
Ludwig (A.) & Co., 75 Spring, New York, N. Y.
National Lock Co., Rockford, Ill.
National Mfg. Co., Sterling, Ill.
Richards-Wilcox Mfg. Co., Aurora, Ill.
Sargent & Co., New Haven, Conn.
Shelby Metal Products Co., Shelby, O.
Shelby Spring Hinge Co., Shelby, O.
Stanley Wks., New Britain, Conn.
Tyler (W. S.) Co., Cleveland, O.
Veeder-Root, Inc., Hartford, Conn.
Yale & Towne Mfg. Co., Stamford, Conn.

HINGES, Show Case

Brainerd Mfg. Co., East Rochester, N. Y.
Chicago Spring Hinge Co., Chicago, Ill.
Corbin, P. & F., New Britain, Conn.
Keil (Francis) & Son, Inc., 401 E. 163d, New York, N. Y. (Spring)
National Brass Co., Grand Rapids, Mich.
Scovill Mfg. Co., Waterbury, Conn.
Shelby Spring Hinge Co., Shelby, O.
Slaymaker Lock Co., Lancaster, Pa.
Soss Mfg. Co., Roselle, N. J.

HINGES, Shutter—See Hinges, Blind, Shutter, Etc.

HINGES, Steel—See Butts, Steel

HINGES, Strap and "T"

Allith-Prouty Co., Danville, Ill.
American Hinge Co., Muskogee, Okla. "Paul"
Braun (J. G.) Co., Chicago, Ill.
Champion Hardware Co., Geneva, O.
Excelsior Tool & Mfg. Co., 881 E. 147th, New York, N. Y.
Frantz Mfg. Co., Sterling, Ill.
Griffin Mfg. Co., Erie, Pa.
Hager (C.) & Sons Hinge Mfg. Co., St. Louis, Mo.
Hess (Chas.) Co., 49-14 Metropolitan Av., B'klyn, N. Y.
Laughlin (Thos.) Co., Portland, Me.
Lawrence Bros., Sterling, Ill.
McKinney Mfg. Co., Pittsburgh, Pa.
National Brass Co., Grand Rapids, Mich.
National Mfg. Co., Sterling, Ill.
Norwalk Lock Co., 12 Warren, New York, N. Y.
Oliver Iron & Steel Co., Pittsburgh, Pa.
Peters (Jas.) & Son, Phila., Pa.
Richards-Wilcox Mfg. Co., Aurora, Ill.
S-B Mfg. Co., Milwaukee, Wis.
Stanley Wks., New Britain, Conn. "Red Tip"
Wilcox, Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.

HINGES, "T"—See Hinges, Strap & "T"

HINGES, Table

Beardsley & Wolcott Mfg. Co., Waterville, Conn. (Desk & Iron Pin)
Frantz Mfg. Co., Sterling, Ill.
Griffin Mfg. Co., Erie, Pa.
Hager (C.) & Sons Hinge Mfg. Co., St. Louis, Mo.
Lawrence Bros., Sterling, Ill.
McKinney Mfg. Co., Pittsburgh, Pa.
National Lock Co., Rockford, Ill.
National Mfg. Co., Sterling, Ill.
Stanley Wks., New Britain, Conn.

HINGES, Transom

Corbin, P. & F., New Britain, Conn.
Fiwale Equipment Mfg. Co., Inc., 64 Reade, New York, N. Y.
McKinney Mfg. Co., Pittsburgh, Pa.
Rixson (Oscar C.) & Co., Chicago, Ill.
Sargent & Co., New Haven, Conn.
Stanley Wks., New Britain, Conn.
Whitney (Vincent) Co., San Francisco, Cal. "Whitco"
Yale & Towne Mfg. Co., Stamford, Conn.

HINGES, Window, Casement

(See also Butts, Casement)

Brainerd Mfg. Co., East Rochester, N. Y.
Casement Hdw. Co., Chicago, Ill. "Win-Dor"
Corbin, P. & F., New Britain, Conn.
Fiwale Equipment Mfg. Co., Inc., 64 Reade, New York, N. Y.
Frantz Mfg. Co., Sterling, Ill.
Griffin Mfg. Co., Erie, Pa.
Hess (Chas.) Co., 49-14 Metropolitan Av., B'klyn, N. Y.
Hoffman (Andrew) Mfg. Co., Chicago, Ill.
McKinney Mfg. Co., Pittsburgh, Pa.
Rixson (Oscar C.) & Co., Chicago, Ill.
Russell & Erwin Mfg. Co., New Britain, Conn. "Russwin"
Sargent & Co., New Haven, Conn.
Stanley Wks., New Britain, Conn.
Whitney (Vincent) Co., San Francisco, Cal.
Whitney Window Corp., Minneapolis, Minn.
Wilcor-Wyman-O'Rourke Co., Chicago, Ill.
Yale & Towne Mfg. Co., Stamford, Conn.

HINGES, Wire

Pickering (R. S.) Co., Sharon Hill, Pa.
Reading Hdw. Co., Reading, Pa.
Smith (F. P.) & Co., Sharon Hill, Pa.

HITCHES, Rope

Myers (F. E.) & Bro. Co., 902 Church, Ashland, O.

HITCHING POSTS—See Posts, Hitching

HOBBLES, Cow—See Ties, Cattle and Horse; also Holders, Tail, Cow

HOBBY HORSES—See Horses, Hobby, Rocking

HOCKEY GAUNTLETS—See Gauntlets, Hockey

HOCKEY GLOVES—See Gloves, Hockey

HOCKEY LEG GUARDS—See Guards, Leg, Hockey

HOCKEY PUCKS—See Pucks, Hockey

HOCKEY SHOES—See Shoes, Hockey

HOCKEY STICKS—See Sticks, Hockey

HODS, Brick—See Hods, Mortar and Brick

HODS, Coal

Adams Co., Dubuque, Ia.
Atlantic Stamping Co., Rochester, N. Y.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Crunden (Martin) Mfg. Co., St. Louis, Mo.
Dover Stamping & Mfg. Co., Cambridge, Mass.
Excelsior Stove & Mfg. Co., Quincy, Ill.
Geuder, Paeschke & Frey Co., Milwaukee, Wis.
Howes (S. M.) Co., Boston, Mass.
Jackson (E. A.) & Bro., 50 Beekman, New York, N. Y.
Janusch Mfg. Co., 282 E. 135th, New York, N. Y.
Kreamer (A.), Inc., 307 Kent Av., B'klyn, N. Y.
Lisk Mfg. Co., Ltd., Canandaigua, N. Y.
National Enameling & Stamping Co., Milwaukee, Wis.

HODS, Coal (Continued)

New England Enameling Co., Middletown, Conn.
Pfeiffer (John) & Co., Phila., Pa.
Reeves Mfg. Co., Dover, O.
Republic Metalware Co., Buffalo, N. Y.
Rochester Can Co., Rochester, N. Y. "Iron Horse"
Savory, Inc., 591 Ferry, Newark, N. J.
Schlueter Mfg. Co., St. Louis, Mo.
Wheeling Corrugating Co., Wheeling, W. Va.

HODS, Mortar and Brick

Berg (John) Mfg. Co., Chicago, Ill.
Chesebro-Whitman Co., Inc., 38-21 12th, Long Island City, N. Y.
Cleveland Wire Spring Co., Cleveland, O. "Neverdrip"
Fuller Mfg. Co., Newhall, Ia.
Goldblatt Tool Co., Kansas City, Mo.
Lansing Co., Lansing, Mich.
Victor Clothes Dryer & Mfg. Co., Worcester, Mass.
Wheeling Corrugating Co., Wheeling, W. Va.

HOE HANDLES—See Handles, Hickory

HOES

Akron-Selle Co., Akron, O. "Tasco"
American Fork & Hoe Co., Cleveland, O. "Crescent," "Giant," "Sandwich Islands," "Texas," "True Temper"
Barber Asphalt Co., Phila., Pa. "Iroquois" (Asphalt Patching)
Bateman (F. H.) Co., Phila., Pa. "Iron Age"
C-K-R Company, Cleveland, O. "Cronk" (Weeding)
Collins Co., Collinsville, Conn. "Legitimus"
Ennis Mfg. Co., Reading, Pa. (Weeding)
Geyer Mfg. Co., Rock Falls, Ill.
Gray Mfg. Co., Oakland, Cal. "Best-Ho"
Horake Co., Burlington, Ia.
Hussey Plow Co., North Berwick, Me.
International Fork & Hoe Co., New Haven, Ind. "Tool Supreme"
International Harvester Co. of America, Chicago, Ill. (Rotary) "McCormick-Deering"
Iron City Tool Wks., Pittsburgh, Pa.
Klein-Logan Co., Pittsburgh, Pa.
Leetonia Tool Co., Leetonia, O. (Fire)
Mann (Jas. H.) Co., Lewistown, Pa.
Massey-Harris Co., Racine, Wis. (Rotary)
Norcross (C. S.) & Sons, Bushnell, Ill. "Diamond Point"
North Wayne Tool Co., Oakland, Me, "Brooks"
Reichard (F. H.) Mfg. Co., Bangor, Pa. "Magic"
Scovil, D. & H., Higganum, Conn
Sibley Scythe Co, North Newport, N, H.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Tiffany & Storm, Marathon, Ia. (Self Cleaning)
Union Fork & Hoe Co., Columbus, O. "Faultless," "New England," "Rhode Island," "Smith's Patent," "Warren," "Whirlwind"
Union Furnace Mfg. Co., Altoona, Pa. .
Warren Tool & Forge Co., Warren, O.
Warwood Tool Co., Wheeling, W. Va.
Wonder Hoe Co., Fort Worth, Texas.

HOES, Cotton Chopper

American Fork & Hoe Co., Cleveland, O. "True Temper"
Union Fork & Hoe Co., Columbus, O. "Blackland," "Light Goose Neck," "Texas"

HOES, Cultivator

American Fork & Hoe Co., Cleveland, O. "True Temper"
B. B. Specialty Co., Minneapolis, Minn. "Perfection"
C-K-R Company, Cleveland, O.
Eddy Plow Wks., Greenwich, N. Y.
Geyer Mfg. Co., Rock Falls, Ill.
Gray Mfg. Co., Oakland, Cal. "Best-Ho"
Imperial Bit & Snap Co., Racine, Wis.
Norcross (C. S.) & Son, Bushnell, Ill.
Reichard (F. H.) Mfg. Co., Bangor, Pa "Magic"
Rowe Mfg. Co., Galesburgh, Ill. "RO-HO" (Combination)
Thieman Harvester Co., Inc., Albert City, Ia.
Union Fork & Hoe Co., Columbus, O. "Acme," "Beebe"
Wonder Hoe Co., Fort Worth, Texas.

HOES, Garden and Field

Acme-Springfield Planter Co., Springfield, O.
Akron-Selle Co., Akron, O. "Aristocrat," "Tasco"
American Fork & Hoe Co., Cleveland, O. "Standard," "True Temper"
Bateman (F. H.) Co., Phila., Pa. "Iron Age"
C-K-R Company, Cleveland, O. "Cronk"
Dubois Foundry Co., Cold Spring, N. Y
E. Z. Lawn Edger Co., Los Angeles, Cal.
Geyer Mfg. Co., Rock Falls, Ill.
Gray Mfg Co., Oakland, Cal. "Best-Ho"
Hall Mfg. Co., Cedar Rapids, Ia.
Horake Co., Burlington, Ia.
International Fork & Hoe Co., New Haven, Ind. "Tool Supreme"
Jelliff (C. O.) Mfg. Corp., Southport, Conn. "Sherwood," "Universal"
Norcross (C. S.) & Sons, Bushnell, Ill.
Reichard (F. H.) Mfg. Co., Bangor, Pa. "Magic"
Sibley Scythe Co., North Newport, N. H.
Stanley Wks., New Britain, Conn,
Thieban Harvester Co., Inc., Albert City, Ia. (Self-Cleaning)
Union Fork & Hoe Co., Columbus, O. "Faultless," "New England," "Rhode Island," "Smith's Patent," "Warren," "Whirlwind"
Warwood Tool Co., Wheeling, W. Va,
Whitaker Mfg. Co., Chicago, Ill. "Gem"
Wonder Hoe Co., Fort Worth, Texas.

HOES, Garden, Wheel

Allen (S. L.) Co., Phila., Pa. "Planet, Jr."
Avery (B. F.) & Sons, Louisville, Ky.
Bateman (F H.) Co., Phila., Pa. "Iron Age"
Geyer Mfg. Co., Rock Falls, Ill.
Hudson (H. D.) Mfg. Co., Chicago, Ill.
Hussey Plow Co., North Berwick, Me.
Moline Implement Co., Moline, Ill. "Empire"
Moore Plow & Implement Co., Greenville, Mich.
Niemann & Hieronymous, Mt. Olive, Ill.
Ohio Cultivator Co., Bellevue, O. "Climax," "Dexter," "Skaboo"
Rowe Mfg. Co., Galesburgh, Ill. "RO-HO" (Combination)
Thornburgh Mfg. Co., Bowling Green, O. "Toledo"

HOES, Grub and Mattocks

American Fork & Hoe Co., Cleveland, O. "Scovil Pattern," "True Temper"
Ames-Baldwin-Wyoming Shovel Co., Parkersburg, W. Va. "Red Edge"
C-K-R Company, Cleveland, O. "Cronk"
Collins Co., Collinsville, Conn. "Scovil Pattern"
Iron City Tool Wks., Pittsburgh, Pa.
Kelly Axe & Tool Wks. of American Fork & Hoe Co., Charleston, W. Va. "Hunt's"
Klein-Logan Co., Pittsburgh, Pa.
Leetonia Tool Wks., Leetonia, O.
Oliver Iron & Steel Corp., Pittsburgh, Pa.
Scovil, D. & H., Higganum, Conn.
Union Fork & Hoe Co., Columbus, O. "American," "Dig Ezy," "Grub," "Scovil Pattern," "Southern Queen"
Warren Tool & Forge Co., Warren, O. "Quikwerk"
Warwood Tool Co., Wheeling, W. Va.
Wooding-Verona Tool Wks., Verona, Pa.

HOES, Mortar

American Fork & Hoe Co., Cleveland, O. "True Temper"
Union Fork & Hoe Co., Columbus, O.

HOES, Onion

Allen (S. L.) & Co., Phila., Pa. "Planet Jr."
Geyer Mfg,. Co. Rock Falls, Ill.

HOES, Scuffle

American Fork & Hoe Co., Cleveland, O. "True Temper"
Ames Baldwin Wyoming Shovel Co., Parkersburg, W. Va.
C-K-R Company, Cleveland, O.
Geyer Mfg. Co., Rock Falls, Ill.
Union Fork & Hoe Co., Columbus, O.

HOG DIPPING TANKS—See Tanks, Dipping, Hog

HOG FEEDERS—See Feeders, Hog

HOG PENS—See Pens, Hog

HOG RINGERS—See Forceps, Pig

HOG RINGS—See Rings, Hog

HOG SCRAPERS—See Scrapers, Hog

HOG TROUGHS—See Troughs, Hog

HOG WATERERS—See Waterers, Hog

HOISTING HOOKS—See Hooks, Hoisting, Bale, Barrel, Can, Etc.

HOISTING ROPE—See Rope, Hoisting

HOISTING SINGLETREES—See Singletrees, Hoisting

HOISTING, Toys

American Flyer Mfg. Co., 2219 S. Halsted, Chicago, Ill. "Structo"

HOISTS, Ash

Baker-Raulang Co., Cleveland, O. (Electric)
Beckwith Elevator Co., Boston, Mass.
Covert (H. W.) Co., 229 E. 37th, New York, N. Y.
Ernst, Chas. K., Buffalo, N. Y.
Hyde Windlass Co., Bath, Me.
Link-Belt Co., Chicago, Ill.
Sedgwick Mach. Wks., 160 W. 15th, New York, N. Y.
Sidney Elevator Mfg. Co., Sidney, O.
Speidel, John G., Reading, Pa.

HOISTS, Chain and Rope
(See also Blocks or Hoists, Chain)

Adams-Barre Co, Columbus, O. "Pul-Lift"
Bridgeport Chain & Mfg. Co., Bridgeport, Conn.
Chisholm-Moore Hoist Corp., Tonawanda, N. Y. "Cyclone," "Direct," "Moore's"
Coffing Hoist Co., Danville, Ill. (Also Electric)
Ford Chain Block Co., Phila., Pa.
Hall Mfg. Co., Cedar Rapids, Ia.
Krein Chain Co., Wapakoneta, O. (Chain)
Ney Mfg. Co., Canton, O. "Monarch"
Reading Chain & Block Corp., Reading, Pa.
Robbins & Myers Co., Springfield, O.
Round (David) & Son, Cleveland, O. "Little Wizard"
Ryerson (Jos. T.) & Sons, Chicago, Ill.
Wright Mfg. Co., York, Pa.
Yale & Towne Mfg. Co., Phila., Pa. (Electric)

HOLDERS, AUTOMOBILE LICENSE—See Brackets, License

HOLDERS, Birthday Cake Candle

Kashner Co., 889 B'way, New York, N. Y.
Knorpp Co., 3038 Atlantic Av., B'klyn, N. Y.
N. D. Q. Specialty Corp., 2566 Atlantic Av, B'klyn, N. Y.

HOLDERS, Blacking Box

Wrightsville Hdw. Co., Wrightsville, Pa.

HOLDERS, Blade, Safety Razor

Dormeyer (A. F.) Mfg. Co., Chicago, Ill.
Ericsson Screw Machine Products, Inc., 607 Bergen, B'klyn, N. Y.
Goertz (August) & Co., 270 Morris Av., Newark, N. J.
Ingersoll (Robert H.) Inc., 45 Lispenard, New York, N. Y. "Pal"
Pressed Metal Products Co., Cleveland, O. "Handy Tool"
Seed Filter & Mfg. Co., 353 B'way, New York, N. Y. "Seeco"
Voos Co., Inc., New Haven, Conn. "Moon"

HOLDERS, Broom

Brown-Thomas Co., Syracuse, N. Y.
Colson Co., Elyria, O. "Gripstick"
Ely Mfg. Co., Girard, Pa.
Erickson (C. E.) & Co., Des Moines, Ia. "Queen," "New Queen"
Forg (Peter) Mfg. Co., Somerville, Mass.
Geuder, Paeschke & Frey Co., Milwaukee, Wis.
Gordon Mfg. Co., 110 E. 23rd, New York, N. Y. "Red Dot"
Grand Rapids Wire Products Co., Grand Rapids, Mich.
Kohler Die & Specialty Co., DeKalb, Ill.
National Specialty Co., 16 Warren, New York, N. Y. "Three-in-One"
Parker Wire Goods Co., Worcester, Mass. "Star"
Pratt (Wm. F.) Mfg. Co., Chicago, Ill. "Perfect"
Racine Iron & Wire Wks., Racine, Wis. "Holtite"
Reed (Evan L. Mfg. Co., Sterling, Ill.
Rexhouse Mfg. Co., Poughkeepsie, N. Y.
United States Lock & Hdwe Co., Columbia, Pa.
Vaughan Novelty Mfg. Co., Chicago, Ill.
Washburn Company, Worcester, Mass.
Williamson (C. T.) Wire Novelty Co., 53 Badger Av., Newark, N. J.
Wrightsville Hdw. Co., Wrightsville, Pa. "Starr"

HOLDERS, Broom, Whisk

American Ring Co., Waterbury, Conn.
Brown-Thomas Co., Syracuse, N. Y.
Gordon Mfg. Co., 110 E. 23rd, New York, N. Y "Red Dot"
Kennebunk Mfg. Co., Milton, N. H.
Kersten Co., Inc., Chicago, Ill.
National Sheet Metal Co., Peru, Ill.
National Specialty Co., 35 Warren, New York, N. Y. "Three-in-One"
Novelty Mfg. Co., Waterbury, Conn,
Washburn Company, Worcester, Mass.

HOLDERS, Card

Beardsley & Wolcott Mfg. Co., Waterville, Conn.
Brainerd Mfg. Co., East Rochester, N. Y.
Corbin Cabinet Lock Co., New Britain, Conn. (and Pull)
Darling (L. A.) Co., Bronson, Mich.
Davis-Smith Co., Boston, Mass. "Sezit" (Price)
Dennison Mfg. Co., Framingham, Mass.
Garden City Plating & Mfg. Co., Chicago, Ill.
Garrison-Wagner Co., St. Louis, Mo. (Price)
Haddon Bin Label Co., Haddon Heights, N. J.
Heller (W. C.), & Co., Montpelier, O.
Line-O-Scribe, Inc., Adrian, Mich.
Lockwood Mfg. Co., Fitchburg, Mass.
Ludwig (A.) & Co., 75 Spring, New York, N. Y.
National Brass Co., Grand Rapids, Mich.
National Lock Co., Rockford, Ill. (Label)
Parker Wire Goods Co., Worcester, Mass.
Reeve (Hurum E.) Co., Torrance, Cal. (Ticket)
Sargent & Co., New Haven, Conn.
Shelby Spring Hinge Co., Shelby, O.
Slaymaker Lock Co., Lancaster, Pa.
Timberlake (J. B.) & Sons, Jackson, Mich. (Ticket)

HOLDERS, Christmas Tree

Adams Co., Dubuque, Ia.
All-American Radio Corp., Chicago, Ill. "Belmont Treeliter"
Anderson (C. F.) & Co., Chicago, Ill.
Arcade Mfg. Co., Freeport, Ill.
B. & J. Mfg. Co., Springfield, O.
Berg (John) Mfg. Co., Chicago, Ill.
Berger Mfg. Co., Canton, O. (Steel)
Bettcher Stamping & Mfg. Co., Cleveland, O.
Bosworth (E. J.) Specialty Co., Rochester, N. Y.
Bower Mfg. Co., Fowler, Ind.
Brown (M. J.) Mfg. Co., Phila., Pa.
Buhl Stamping Co., Detroit, Mich. "Evergreen Water Font"
Campbell-Hausfeld Co., Harrison, O.
Chesmore Seed Co., St. Joseph, Mo.
Clark Mfg. Co., Phila., Pa. "Samson"
Durkee Mfg. Co., Youngstown, O. (Folding)
Ely Mfg. Co., Girard, Pa.
Fernald Mfg. Co., North East, Pa. "Gem," "Jewel"
Geuder Paeschke & Frey Co., Milwaukee, Wis. "Cream City"
Grey Iron Casting Co., Mt. Joy, Pa.
Hafner Mfg. Co., Chicago, Ill. "Handy"
Hubley Mfg. Co., Lancaster, Pa.
Indestro Mfg. Co., Chicago, Ill.
J. C. Mfg. Co., Jackson, Mich. "Jiffy"
Junkunc Bros., Chicago, Ill.
Koelmel Bros., Phila., Pa. (With Water Holder)
Marion Craftsman Tool Co., Marion, Ind.
Market Forge Co., Everett, Mass.
Miller (C. H.) Hdw. Co., Huntington, Pa.
National Enameling & Stamping Co., Inc., Milwaukee, Wis.
North Bros. Mfg. Co., Phila., Pa. "Crown"
Penn Hdw. Co., Reading, Pa.
Pill Bros., Inc., Cambridge, Mass.
Prestoy Mfg. Co., Bridgeport, Conn.
Ramsey Bros. Mfg. Co., Toledo, O. "Easy-Up"
Reed (Evan L.) Mfg. Co., Danville, Ill. "Crakerjac"
Rhinelander Refrigerator Co., Rhinelander, Wis.
Rochester Can Co., Rochester, N. Y. "Iron Horse"
Roebling (John A.) Sons Co., Trenton, N. J. "Jersey"
Schwerdtmann Toy Co., St. Louis, Mo.
Seiss Mfg. Co., Toledo, O.
Shelby Metal Products Co., Shelby O.
Steubenville Pressed Steel Co., Steubenville, O. "Foldo"
Stover Mfg. & Engine Co., Freeport, Ill.
Taylor-Shantz Co., Rochester, N. Y. "Tasco"
Twin City Iron & Wire Co., St. Paul, Minn. "Northland," "Simplex"
U. S. Electric Mfg. Corp., 222 W. 14th, New York, N. Y. "Usa-Lite"
Wisconsin Metal Products Co., Racine, Wis. "Steady-Grip"
Wrightsville Hdw. Co., Wrightsville, Pa. "Brighton"
Youngstown Tool & Mfg. Co., Struthers, O.

HOLDERS, Christmas Tree Candle

American Ring Co., Waterbury, Conn.
Kirchhof Patent Co., 30 Stirling, Newark, N. J.
Will & Baumer Co., Syracuse, N. Y.

HOLDERS, Clothes Line

Acme Metal Goods Mfg. Co., 2 Orange, Newark, N. J.
Bogert & Hopper, 223 Varick, New York, N. Y.
Christen (J. C.) Mfg. Co., St. Louis, Mo. "Little Dandy"
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Imperial Bit & Snap Co., Racine, Wis.
Midland Co., S. Milwaukee, Wis. "Tite-Line"
Permanent Tool & Die Co., Dayton, O.
Reed (Evan L.) Mfg. Co., Sterling, Ill.
S-B Mfg. Co., Milwaukee, Wis.
Standard Trailer Co., Cambridge Springs, Pa.
Stuber & Kuck Co., Peoria, Ill. "Biltrite"
Young Specialty Co., Milwaukee, Wis. "Reliable"

HOLDERS, Cover, Pot

Chicago Asbestos Table Co., Chicago, Ill.
Stuber & Kuck Co., Peoria, Ill.
Washburn Company, Worcester, Mass.

HOLDERS, Crayon

Dixon (Jos.) Crucible Co., Wayne & Monmouth, Jersey City, N. J. (Lumber & Solid)
Lufkin Rule Co., Saginaw, Mich. (Loggers & Lumbermen)

HOLDERS, Die—See Holders, Tap and Die

HOLDERS, Door

Allith Prouty Co., Danville, Ill.
Arcade Mfg. Co., Freeport, Ill.
Austral Window Co., 101 Park Av., New York, N. Y.
Barrows Lock Wks. of Yale & Towne Mfg. Co., Lockport, Ill.
Bommer Spring Hinge Co., 263 Classon Av., Bklyn., N. Y.
Brainerd Mfg. Co., E. Rochester, N. Y.
Brohard Co., Phila., Pa.
Caldwell Mfg. Co., Rochester, N. Y. "Empire"
California Door Closer Co., Pasadena, Cal. "N-Concealed"
Champion Hdw. Co., Geneva, O.
Clinton Lock Co., Clinton, Ia.
Corbin, P. & F., New Britain, Conn.
Corbin Cabinet Lock Co., New Britain, Conn.
Detroit Hdw. Mfg. Co., Detroit, Mich.
Dura Metal Products Co., Chicago, Ill.
Frantz Mfg. Co., Sterling, Ill.
Glynn-Johnson Corp., La Porte, Ind. "Aristocrat," "Hercules"
Grand Specialties Co., Chicago, Ill. "Grand Royal," "Peerless"
Griffin Mfg. Co., Erie, Pa.
Holden (A. S.), Inc., Cleveland, O.
Imperial Brass Mfg. Co., Chicago, Ill.
Ives, H. B., New Haven, Conn.
Keil (Francis) & Son, Inc., 401 E. 163rd, New York, N. Y.
Kernsten Co., Inc., Chicago, Ill.
Lockwood Mfg. Co., Fitchburg, Mass.
McKinney Mfg. Co., Pittsburgh, Pa.
National Mfg. Co., Sterling, Ill.
Norwalk Lock Co., 12 Warren, New York, N. Y.
Payson Mfg. Co., Chicago, Ill.
Phenix Mfg. Co., Milwaukee, Wis.
Richards-Wilcox Mfg. Co., Aurora, Ill. "Sure Grip"
Rixson (Oscar Co.) Co., Chicago, Ill.
Russell & Erwin Mfg. Co., New Britain, Conn. "Russwin"
Sager Lock Wks. of Yale & Towne Mfg. Co., N. Chicago, Ill.
Sargent & Co., New Haven, Conn.
Shelby Spring Hinge Co., Shelby, O. "Junior," "Universal"
Slaymaker Lock Co., Lancaster, Pa.
Stanley Wks., New Britain, Conn. "Silent Watchman"
Steinmetz (John) Sons, Boston, Mass. "Ruppman"
Sterling Foundry Co., Sterling, Ill.
Stover Mfg. & Engine Co., Freeport, Ill. (Garage)
Superior Spring Hinge Co., Chicago, Ill. "Modernistic," "Tippit"
United Specialties Mfg. Co., Ltd., Richmond Hill, N. Y. "Casehold"
Yale & Towne Mfg. Co., Stamford, Conn.

HOLDERS, Door, Garage, Barn, Etc.

Akron-Selle Co., Akron, O.
Allith-Prouty, Danville, Ill.
Anderson Mfg. Co., Des Moines, Ia. "Tip-Top"
Blakely Mfg. Co., Detroit, Mich. "Sta-Open'
Bovey Automobile Heater Co., Chicago, Ill. "Properpop"
Cleveway Mfg. Co., Cleveland, O.
Coffey, John M., East Milton, Mass. "Milton"
Corbin, P. & F., New Britain, Conn.
Door Operators Corp., Chicago, Ill. "Sta-Put"
Dura Metal Products Co., Chicago, Ill.
Grand Specialties Co., Chicago, Ill. "Peerless"
Griffin Mfg. Co., Erie, Pa.
Hager (C.) & Sons Hinge Mfg. Co., St. Louis, Mo.
Holden (A. S.) Inc., Cleveland, O.
Knowlson Stevenson Co., Ann Arbor, Mich. "A. A. A."
National Mfg. Co., Sterling, Ill.
Ney Mfg. Co., Canton, O.
Phenix Mfg. Co., Milwaukee, Wis.
Pressed Metal Products Co., Cleveland, O.
Rite Hdw. & Mfg. Corp., Los Angeles, Cal.
Rixson (Oscar C.) Co., Chicago, Ill.
Russell & Erwin Mfg. Co., New Britain, Conn.
S-B Mfg. Co., Milwaukee, Wis.
Sha-Bar, Inc., Cleveland, O. "Everhold"
Shelby Spring Hinge Co., Shelby, O.
Staley Mfg. Corp., Columbus, Ind.
Stanley Wks., New Britain, Conn.
Steubenville Pressed Steel Co., Steubenville, O. "Kielo"
Stover Mfg. & Engine Co., Freeport, Ill.
Superior Spring Hinge Co., Chicago, Ill.

HOLDERS, Extension Bit—See Extensions, Bit Brace

HOLDERS, Flag

(See also Brackets, Pole, Flag)

Art Metal Wks., Mulberry, Newark, N. J.
Gray Iron Fdry. Co., Reading, Pa. "Little Daisy," "Multiple," "No. 150," "Reading"
Laughlin (Thos.) Co., Portland, Me.

HOLDERS, Flashlights

Alexander Specialty Mfg. Co., Paris, Tex.

HOLDERS, Flower

Arcade Mfg. Co., Freeport, Ill.
Miami Cabinet Co., Middletown, O.
Patent Novelty Co., Inc., Fulton, Ill. "Polly Prim" (Baskets & Cemetery)
Powell Pressed Steel Co., Hubbard, O.

HOLDERS, Garage Door—See Holders, Door, Garage, Barn, Etc.

HOLDERS, Hat

Denning Mfg. Co., Cleveland, O. (Church Pew)
Flower City Spec. Co., Rochester, N. Y. (Auto.) "Duplex"
Knape-Vogt Mfg. Co., Grand Rapids, Mich. "K. Venience"
Safety Auto Hat Rack Co., Inc., 41 Astor Pl., New York, N. Y.
Stanley Wks., New Britain, Conn.
Woodworth Specialties Co., Binghamton, N. Y. (Auto.)

HOLDERS, Hose

Allen (W. D.) Mfg. Co., Chicago, Ill. "Sykes"
Akron-Selle Co., Akron, O.
Anker-Holth Mfg. Co., Inc., Port Huron, Mich. "Flex-Nek"
Clark Mfg. Co., Phila., Pa. "Giant Jr."
Safety Globe & Mfg. Co., Columbus, O. "Handy"
Schlangen Mfg. Co., Chicago, Ill.
Staley Mfg. Corp., Columbus, Ind.
Wirt & Knox Mfg. Co., Phila., Pa. (Fire)

HOLDERS, Hot Pot—See Lifters, Cooking Utensil

HOLDERS, Jar—See Lifters, Jar

HOLDERS, Knurling—See Tools, Knurling

HOLDERS, Luggage—See Carriers, Luggage

HOLDERS, Match Box

Arcade Mfg. Co., Freeport, Ill.
Buffalo Lamp & Mfg. Co., Inc., Buffalo, N. Y.
Eustis (J. P.) Mfg. Co., Cambridge, Mass. "Brasscrafters"
Grey Iron Casting Co., Mt. Joy, Pa.
Kersten Co., Inc., Chicago, Ill. (And Stand)
Washburn Company, Worcester, Mass.
Wrightsville Hdw. Co., Wrightsville, Pa.

HOLDERS, Milk Bottle

Drake (A. W.) Mfg. Co., Hazleton, Pa.
Glacifer Corp., Phila., Pa.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Parker Wire Goods Co., Worcester, Mass.
Patent Novelty Co., Fulton, Ill.
Stanley Wks., New Britain, Conn.
United Steel & Wire Co., Battle Creek, Mich.
Washburn Company, Worcester, Mass.

HOLDERS, Milk Can

Handy-Mandy Products Co., Johnstown, Pa. (Combination Holder & Opener)

HOLDERS, Mop—See Sticks and Holders, Mop

HOLDERS, Nipple

Armstrong Mfg. Co., Bridgeport, Conn.
Curtis & Curtis Co., Bridgeport, Conn.
Union Mfg. Co., New Britain, Conn.

HOLDERS, Nozzle

Anker-Holth Mfg. Co., Inc., Port Huron, Mich. "Flex-Nek"
Safety Globe & Mfg. Co., Columbus, O. "Handy"
Schartow Products Co., Racine, Wis. "Hanley's Handy"
Staley Mfg. Corp., Columbus, Ind.

HOLDERS, Poultry

Simonsen Iron Wks., Sioux Rapids, Ia. "O. K."

HOLDERS, Sand Paper

Masons' Tool Mfg. Co., Rochester, N. Y.
Ridgely Trimmer Co., Springfield, O.
Wylie (Paul E.), Los Angeles, Cal. "Johnson's"

HOLDERS, Sash

Barnes Sash Holder, Inc., Indianapolis, Ind.
Draver Mfg. Co., Richmond, Ind.
Hart Sash Holder Co., Lexington, Mo.
Lucke Sash Holder Co., Providence, R. I.
Paine Co., Chicago, Ill.
Wagner Mfg. Co., Cedar Falls, Ia.
Waterbury Button Mfg. Co., Waterbury, Conn.
Wilcox-Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.

HOLDERS, Saw—See Teeth and Holders, Saw

HOLDERS, Soap—See Dishes, Soap

HOLDERS, Steel Wool

Brillo Mfg. Co., 205 Water, Bklyn., N. Y.
International Skour-Pak Corp., 1907 Park Av., New York, N. Y. (Rubber)
Newark Products Co., 27 Elizabeth Av., Newark, N. J. "Nu-Way"
Phillips-Laffitte Co., Inc., Phila., Pa. "Zip"
Scully Rubber Mfg. Co., Baltimore, Md. "Kitchen Kompakt" (Rubber)

HOLDERS, Suit Case—See Carriers, Luggage

HOLDERS, Surface File

Nicholson File Co., Providence, R. I.

HOLDERS, Tail, Cow

Imperial Bit & Snap Co., Racine, Wis.
Simonsen Iron Wks., Sioux Rapids, Ia. "So-Boss"
Wagner Specialty Co., Burlington, Wis. "Kant Kik"

HOLDERS, Tap and Die

Armstrong Bros. Tool Co., 300 N. Francisco Av., Chicago, Ill.
Armstrong Mfg. Co., Bridgeport, Conn.
Bardons & Oliver, Cleveland, O.
Bay State Tap & Die Co., Mansfield, Mass.
Brown & Sharpe Mfg. Co., Providence, R. I.
Butterfield & Co., Div., Union Twist Drill Co., Derby Line, Vt.
Card (S. W.) Mfg. Co., Div. Union Twist Drill Co., Mansfield, Mass.
Carpenter (J. M.) Tap & Die Co., Pawtucket, R. I.
Champion Blower & Forge Co., Lancaster, Pa. "Easy," "Ordnance"
Consolidated Tool Wks., 509 Madison Av., New York, N. Y. "Pilot"
Geometric Tool Co., New Haven, Conn.
Greenfield Tap & Die Corp., Greenfield, Mass. "G T D"
Manning, Maxwell & Moore, Inc., 100 E. 42nd, New York, N. Y. "Beaman & Smith"
Mechanics Tool & Wrench Co., Greenfield, Mass.
Millers Falls-Goodell Pratt Co., Greenfield, Mas.
Modern Tool Co., Erie, Pa. "Mazie"
Morgan Mfg. Co., Keene, N. H.
Morse Twist Drill & Mach. Co., New Bedford, Mass.
Polk (A. J.) & Son Co., Millersburg, Pa.
Pratt & Whitney Co., Hartford, Conn.
Quint, A. D., Hartford, Conn.

HOLDERS, Toilet Paper

(See also Fixtures and Furnishings, Bathroom)

A. P. W. Paper Co., Albany, N. Y. "Onliwon"
Acme Metal Goods Mfg. Co., 2 Orange, Newark, N. J.
Alliance Vitrified China Co., Alliance, O. "Avco"
American Enameled Products Co., Chicago, Ill. "Sno-Wite"
Art Brass Co., 299 E. 134th, New York, N. Y. "San-o-la"
Autoyre Co., Oakville, Conn.
Baker (S. D.) Corp., 234 W. 14th, New York, N. Y. "Samsonchina"
Balmer (J. H.) & Co., 399 Central Av., Newark, N. J.
Brilliant Glass Products, Inc., Weston, W. Va. "Westite"
Brown-Thomas Co., Syracuse, N. Y. "Flat-O-Roll," "Handy-Roll"
Bulman (E. O.) Mfg. Co., Inc., Grand Rapids, Mich.
Burgess Mfg. Co., Beaver Falls, Pa. "Goverlette"
Ceramic Specialties, Inc., 154 Nassau, New York, N. Y. "Sanilith"
Conant Bros., Somerville, Mass.
Corbin, P. & F., New Britain, Conn.
David-Franklin Co., Maplewood, N. J. "Everclean Fixtures"
Ely Mfg. Co., Girard, Pa.
Ennis Mfg. Co., Reading, Pa.
Erie City Mfg. Co., Erie, Pa.
Eustis (J. P.) Mfg. Co., Cambridge, Mass. "Brass-crafters"
Foley Paper Co., Springfield, Mass.
Gray Iron Fdry. Co., Reading, Pa.
Grey Iron Casting Co., Mt. Joy, Pa.
Handy Things Mfg. Co., Ludington, Mich.
Kersten Co., Inc., Chicago, Ill.
Kimble Glass Co., Vineland, N. J.
Landers, Frary & Clark, New Britain, Conn. "Universal"
Manhattan Mfg. & Jobbing Co., 182 Av. C, New York, N. Y.
Michigan Metal Products Co., Battle Creek, Mich.
Mueller Engineering Wks., Racine, Wis.
Parker Wire Goods Co., Worcester, Mass.
Pocono Metal Mfg. Co., East Stroudsburg, Pa.
Russell (Jno. M.) Mfg. Co., Naugatuck, Conn.
Scott Paper Co., Phila., Pa.
Searls Mfg. Co., 29 Mulberry, Newark, N. J.
Shelby Spring Hinge Co., Shelby, O. "Satin," "Silk"
Southington Hdw. Co., Southington, Conn.
Standard Sanitary Mfg. Co., Pittsburgh, Pa.
Stover Mfg. & Engine Co., Freeport, Ill.
United States Envelope Co., Springfield, Mass.
Utility Mfg. Co., Baltimore, Md.
Washburn Company, Worcester, Mass. "Natwire"
Winsted Hdw. Mfg. Co., Winsted, Conn.

HOLDERS, Tool, Lathe, Planer, Drill, Etc.

American Tool & Mach. Co., Boston, Mass.
Armstrong Bros. Tool Co., 300 N. Francisco Av., Chicago, Ill.
Bay State Tap & Die Co., Mansfield, Mass.
Clark Equip. Co., Buchanan, Mich.
Cleveland Twist Drill Co., Lakeside Av. & E. 49th, Cleveland, O.
Gairing Tool Co., Detroit, Mich.
Gellman Mfg. Co., Rock Island, Ill.
Gisholt Mach. Co., Madison, Wis.
Keystone Mfg. Co., Buffalo, N. Y.
LaFrancis, A., 435 14th Av., Newark, N. J. (Drill Block)
Lovejoy Tool Co., Springfield, Vt.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
O. K. Tool Holder Co., Shelton, Conn.
Pratt & Whitney Co., Hartford, Conn.
Ready Tool Co., Bridgeport, Conn. "Red-E"
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Scully-Jones & Co., Chicago, Ill. (Cutting Tools)
Simonds Saw & Steel Co., Fitchburg, Mass.
Union Tool Co., Union, Mass. "Eberhardt," "Hill"
Western Tool & Mfg. Co., Springfield, O. "Champion"
Whitman Metal Goods Co., Whitman, Mass. "Efficiency"
Williams (J. H.) & Co., Buffalo, N. Y. "Agrippa," "Vulcan"

HOLDERS, Tooth Brush

Alliance Vitrified China Co., Alliance, O. "Avco"
American Aluminum Ware Co., 374 Jeliff Av., Newark, N. J. "Peerless"
American Enameled Products Co., Chicago, Ill. "Sno-Wite"
American Ring Co., Waterbury, Conn. "Ringco"
Art Brass Co., 299 E. 134th, New York, N. Y. "San-o-la"
Autoyre Co., Oakville, Conn.
Baker (S. D.) Corp., 234 W. 14th, New York, N. Y. "Samsonchina"
Balmer (J. H.) & Co., 399 Central Av., Newark, N. J.
Brilliant Glass Products, Inc., Weston, W. Va. "Westite"
C. & S. Novelty Co., Reading, Pa.
Central Specialty Mfg. Co., Chicago, Ill.
Ceramic Specialties, Inc., 154 Nassau, New York, N. Y. "Sanilith"
David-Franklin Co., Maplewood, N. J. "Everclean Fixtures" (Combination)
Eustis (J. P.) Mfg. Co., Cambridge, Mass. "Brass-crafters"
Handy Things Mfg. Co., Ludington, Mich.
Kersten Co., Inc., Chicago, Ill.
Landers, Frary & Clark, New Britain, Conn. "Universal"
Manhattan Mfg. & Jobbing Co., 182 Av. C, New York, N. Y.
National Sheet Metal Co., Peru, Ill.
Parker Wire Goods Co., Worcester, Mass.
Pocono Metal Mfg. Co., East Stroudsburg, Pa.
Racine Iron & Wire Wks., Racine, Wis.
Res Mfg. Co., Milwaukee, Wis.
Russell (Jno. M.) Mfg. Co., Inc., Naugatuck, Conn.
Safety Wire Glass Globe Co., Columbus, O.
Searls Mfg. Co., 29 Mulberry, Newark, N. J.
Standard Sanitary Mfg. Co., Pittsburgh, Pa.
Utility Mfg. Co., Baltimore, Md.
Vineland Flint Glass Wks., Vineland, N. J.
Washburn Company, Worcester, Mass. "Natwire"
Waterbury Mfg. Co., Waterbury, Conn.
Winsted Hdw. Mfg. Co., Winsted, Conn.

HOLDERS, Tumbler

American Enameled Products Co., Chicago, Ill. "Sno-Wite"
American Ring Co., Waterbury, Conn. "Ringco"
Autoyre Co., Oakville, Conn. "Maid-En-White"
Baker (S. D.) Corp., 234 W. 14th, New York, N. Y. "Samsonchina"
Balmer (J. H.) & Co., 399 Central Av., Newark, N. J.
Brilliant Glass Products, Inc., Weston, W. Va. "Westite"
David-Franklin Co., Maplewood, N. J. "Everclean Fixtures"
Eustis (J. P.) Mfg. Co., Cambridge, Mass. "Brass-crafters"
Handy Things Mfg. Co., Ludington, Mich.
Kersten Co., Inc., Chicago, Ill.
Landers, Frary & Clark, New Britain, Conn. "Universal"
Manhattan Mfg. & Jobbing Co., 182 Av. C., New York, N. Y.
Parker Wire Goods Co., Worcester, Mass.
Pocono Metal Mfg. Co., East Stroudsburg, Pa.
Racine Iron & Wire Wks., Racine, Ill. "Unique"
Russell (Jno. M.) Mfg. Co., Inc., Naugatuck, Conn.
Standard Sanitary Mfg. Co., Pittsburgh, Pa.
Utility Mfg. Co., Baltimore, Md.
Washburn Company, Worcester, Mass. "Natwire"
"White Steel" Sanitary Furniture Co., Grand Rapids, Mich.
Winsted Hdw. Mfg. Co., Winsted, Conn.

HOLDERS, Twine

Anstice (Josiah) & Co., Rochester, N. Y. "Sensible"
Arcade Mfg. Co., Freeport, Ill.
Bulman (E. O.) Mfg. Co., Inc., Grand Rapids, Mich.
Cutter Mfg. Co., Everett, Boston, Mass.
Grey Iron Casting Co., Mt. Joy, Pa.
January & Wood Co., Maysville, Ky. "Hometies"
Nicol & Co., Chicago, Ill.
Sargent & Co., New Haven, Conn.
Universal Winding Co., Boston, Mass. "Walker"
Washburn Company, Worcester, Mass.

HOLDERS, Wood

Chattanooga Implement & Mfg. Co., Chattanooga, Tenn. "Royal"
Howes (S. M.) Co., Boston, Mass.
Jackson, (Edwin A.) Bros., 50 Beekman, New York, N. Y.

HOLD FASTS

Hess (Chas.) Co., 49-14 Metropolitan Av., Bklyn., N. Y.

HOLE CUTTING BITS—See Bits, Hole Cutting

HOLLOW AUGERS—See Augers, Hollow

HOLLOW CHISELS—See Chisels, Mortising, Hollow

HOLLOW HANDLE TOOL SETS—See Sets, Tool, Hollow Handle

HOLLOW PLATED TABLE WARE—See Ware, Table, Hollow Plated

HOLLOW PUNCHES—See Punches, Hollow

HOLLOW WARE—See Ware, Hollow, Cast Iron

HOLSTER BELTS—See Belts, Holster

HOLSTERS

Alward-Anderson-Southard Co., Chicago, Ill.
Brauer Bros., Inc., St. Louis, Mo. "Snapp-Off"
Collis (H. J.) Mfg. Co., Taunton, Mass.
Drybak Corp., Binghamton, N. Y.
Graton & Knight Co., Worcester, Mass.
Heiser (Herman H.) Saddlery Co., Denver, Col.
Lawrence (George) Co., Portland, Ore.
Lefkowitz (Louis) & Bros., 1 Greene, New York, N. Y.
Loewenberg Co., 62 Colden, Newark, N. J.
Perkins-Campbell Co., Cincinnati, O. "Campbell"
Red Head Brand Co., Chicago, Ill.
Rome Sporting Goods Mfg. Co., Rome, N. Y.
Wyeth Hdw. & Mfg. Co., St. Joseph, Mo.

HOLSTERS, Toy

Arrow Novelty Co., 62 W. 14th, New York, N. Y.
Atlantic Specialty Co., 71 Goerck, New York, N. Y.
Kenton Hdw. Co., Kenton, O.

HOME BROADCASTERS, Radio—See Radio Home Broadcasters

HOME PLATES—See Plates, Home

HOME WORKSHOP EQUIPMENT—See Equipment, Home Workshop

HONES, Razor

American Hone Co., Olean, N. Y. "Exide," "Frictionite"
Bracher Co., Belleville, N. J. "Boss," "Duro," "Regal"
Carborundum Co., Niagara Falls, N. Y. "Aloxite"
Catteraugus Cutlery Co., Little Valley, N. Y.
Geneva Cutlery, Inc., Geneva, N. Y. "Genco," "Palm," "Strop Hone"
Goodrich Grinding Wheel Co., Chicago, Ill. "Carbo Magneto"
Korn (Geo. W.) Razor Mfg. Co., Little Valley, N. Y.
Norton Pike Co., Pike, N. H. "Beljen," "Best," "Black Beauty," "Emerald," "Ezy Edge," "Granite," "Handihone," "Koenig," "Krystole," "Pipe Combination," "Pike Dry," "Sapphire," "Strop-Hone"
Wisconsin Abrasive Co., Milwaukee, Wis. "Master," " Nu Edge"

HOOK and EYE BOLTS—See Bolts, Hook and Eye

HOOK and EYE HINGES—See Hinges, Hook and Eye

HOOK and EYE SCREWS—See Screws, Hook and Eye

HOOK AND LADDER TRUCK TOY—See Trucks, Ladder Toy

HOOK and STRAP HINGES—See Hinges, Hook and Strap

HOOK EXTRACTORS—See Extractors, Hook

HOOK HEAD BOLTS—See Bolts, Hook Head

HOOK RULES—See Rules, Hook

HOOKS, Bath Robe—See Hooks, Coat and Hat

HOOKS, Belt—See Fasteners, Belt

HOOKS, Bench—See Stops, Bench

HOOKS, Box—See Hooks, Cotton, Box, Hay, Etc.

HOOKS, Bush

(See also Axes, Bush)

Burgess-Norton Mfg. Co., Geneva, Ill.
Collins Co., Collinsville, Conn. "Legitimus"
Evansville Tool Wks., Inc., Evansville, Ind. "E.T.W."
Kelly Axe & Tool Wks. of American Fork & Hoe Co., Charleston, W. Va. "Blood's," "Kelly Standard," "Perfect"
Mack & Co., Rochester, N. Y. "D. R. Barton"
North Wayne Tool Co, Oakland, Me. "Champion," "Little Giant," "Nowatoco"
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Plumb (Fayette R.), Inc., Phila., Pa.
Seymour Mfg. Co., Seymour, Ind. "Champion"
Wadsworth (David) & Son, Box 610, Auburn, N. Y.

HOOKS, Cage, Bird

Arcage Mfg. Co., Freeport, Ill.
Beardsley & Wolcott Mfg. Co., Waterville, Conn.
Corbin, P. & F., New Britain, Conn.
Grey Iron Casting Co., Mt. Joy, Pa.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Hendryx (Andrew B.) Co., New Haven, Conn.
Judd (H. L.) Co., 87 Chambers, New York, N. Y.
Landers, Frary & Clark, New Britain, Conn.
Meyers, (Fred J.) Mfg. Co., Hamilton, O.
Parker Metal Goods Co., Worcester, Mass.
Parker Wire Goods Co., Worcester, Mass. "Worcester"
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Penn Hardware Co., Reading, Pa.
Pratt (Wm.) Mfg. Co., Chicago, Ill.
Sargent & Co., New Haven, Conn.
Stover Mfg. & Engine Co., Freeport, Ill. "Ideal"
Turner & Seymour Mfg. Co., Torrington, Conn.
Turner & Stanton Co., Norwich, Conn.
Washburn Company, Worcester, Mass.
Williamson (C. T.) Wire Novelty Co., 53 Badger Av., Newark, N. J.
Winsted Hdw. Mfg. Co., Winsted, Conn.

HOOKS, Cant

American Logging Tool Co., Evart, Mich.
Bonney Forge & Tool Wks., Allentown, Pa.
Columbus Handle & Tool Corp. Works of the National Handle Co., Columbus, Ind.
Dicke Tool Co., Downers Grove, Ill.
Dixie Logging Tool Co., Chattanooga, Tenn.
Geriach (Peter) Co., Celevand, O.
Leach Co., Oshkosh, Wis. "Oshkosh"
Peavey Mfg. Co., Bangor, Me.
Prouty (C.) & Co., Eldred, Pa.
Sasgen Derrick Co., Chicago, Ill.
Standard Saw Mill Mchy. Co., Erie, Pa.
Warren Axe & Tool Co., Warren, Pa. "Bull Dog"
Williams Mfg. Co., Macon, Ga.

HOOKS, Ceiling

American Chain Co., Inc., Bridgeport, Conn. "Acco"
Arcade Mfg. Co., Freeport, Ill.
Atlas, Ansonia Co., New Haven, Conn.
Chain Products Co:. 3290 Cooper Ave., Cleveland, O. "Hodell"
Coleman Hdw. Co., Inc., Chicago, Ill.
Corbin, P. & F., New Britain, Conn.
Ives (H. B.) Co., New Haven, Conn.
Keil (Francis) & Son, Inc., 401 E. 163d, New York, N. Y.
Parker Wire Goods Co., Worcester, Mass. "King"
Shelby Spring Hinge Co., Shelby, O.
Washburn Company, Worcester, Mass.

HOOKS, Chain

American Chain Co., Inc., Bridgeport, Conn. "Acco"
American Logging Tool Co., Evart, Mich.
Bridgeport Chain & Mfg. Co., Bridgeport, Conn.
Chain Products Co:. 3290 Cooper Ave., Cleveland, O.
Columbus Handle & Tool Corp. Works of the National Handle Co., Columbus, Ind.
Diamond Calk & Horseshoe Co., 4622 Grand Av., Duluth, Minn.
Dixie Logging Tool Co., Chattanooga, Tenn.
Hess (Chas.) Co., 49-14 Metropolitan Ave., Bklyn., N. Y.
Leetonia Tool Co., Leetonia, O.
Parker Wire Goods Co., Worcester, Mass.
Taylor (S. G.) Chain Co., Hammond, Ind.
Warren Axe & Tool Co., Warren, Pa. "Bull Dog"
Wilcox, Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.

HOOKS, Clam

American Fork & Hoe Co., Cleveland, O. "True Temper"
Fordham, J. W., New London, Conn.
Union Fork & Hoe Co., Columbus, O.

HOOKS, Clothes Line

Arcade Mfg. Co., Freeport, Ill.
Corbin, P. & F., New Britain, Conn.
Gray Iron Foundry Co., Reading, Pa.
Grey Iron Casting Co., Mt. Joy, Pa.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Imperial Bit & Snap Co., Racine, Wis. "Hold-Tite"
Jencks (E.) Mfg. Co., Worcester, Mass.
Lake Mfg. Co., Clarendon, Va. "Little Wonder"
Lawrence Bros., Sterling, Ill.
Littlestown Hdw. & Fdry. Co., Littlestown, Pa.
Lockwood Mfg. Co., Fitchburg, Mass.
Malleable Iron Fittings Co., Branford, Conn. "M. I. F. Co."
Midland Co., South Milwaukee, Wis. "Tite-Line"
Parker Metal Goods Co., Worcester, Mass.
Parker Wire Goods Co., Worcester, Mass.
Pack, Stow & Wilcox Co., Southington, Conn. "Pexto"
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Ritch & Pidge Mfg. Co., Fultonville, N. Y. "Peerless"
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.
Stover Mfg. & Engine Co., Freeport, Ill.
Susquehanna Casting Co., Wrightsville, Pa.
Tie Co., Unadilla, N. Y. "Hold Fast"
Washburn Company, Worcester, Mass.
Wilcox, Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.
Wrightsville Hardware Co., Wrightsville, Pa.

HOOKS, Coat and Hat

American Brass Goods Co., Grand Rapids, Mich.
American Enameled Products Co., Chicago, Ill. "Sno-Wite"
American Ring Co., Waterbury, Conn.
Arcade Mfg. Co., Freeport, Ill.
Artistic Bronze Co., Bridgeport, Conn.
Atlas-Ansonia Co., New Haven, Conn.
Automatic Wire Goods Mfg. Co., 15 Canal Pl., New York, N. Y.
Autoyre Co., Oakville, Conn.
Backus Novelty Co., Smethport, Pa. (Locking)
Balmer (J. H.) & Co., 399 Central Av., Newark, N. J. "Easy Set"
Barrows Lock Works of Yale & Towne Mfg. Co., Lockport Ill.
Bassick Co., Bridgeport, Conn.
Beardsley & Wolcott Mfg. Co., Waterville, Conn.
Beckley-Ralston Co., Chicago, Ill.
Bommer Spring Hinge Co., 263 Classon Av., Bklyn., N. Y.
Brainerd Mfg. Co., East Rochester, N. Y.
Brass Goods Mfg. Co., 345 Eldert, Bklyn., N. Y.
Brey & Krause Mfg. Co., Allentown, Pa.
Brilliant Glass Products, Inc., Weston, W. Va. "Westite"
Champion Hdw. Co., Geneva, O.
Chapman (W. H.) Co., Middletown, Conn.
Cleveland Lock Works, Cleveland, O.
Clinton Lock Co., Clinton, Ia.
Coleman Hdw. Co., Inc., Chicago, Ill.
Columbus Brass Co., Columbus, O.
Corbin Cabinet Lock Co., New Britain, Conn.
Corbin, P. & F., New Britain, Conn.
David-Franklin Co., Maplewood, N. J. "Everclean Fixtures"
Davis Tool & Engineering Co., Detroit, Mich. "Dacor"
Dent Hardware Co., Fullerton, Pa.
Detroit Wks., Detroit, Mich.
Earle Hardware Mfg. Co., Reading, Pa.
Erie Art Metal Co., Erie, Pa.
Eustis (J. P.) Mfg. Co., Cambridge, Mass. "Brasscrafters"
Evans, W. L., Washington, Ind.
Frantz Mfg. Co., Sterling, Ill.
Gardner-Vail, Inc., Chicago, Ill. (Combination Bumper)
Gordon Mfg. Co., 110 E. 23rd, New York, N. Y. "Sticktite"
Grey Iron Casting Co., Mt. Joy, Pa.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Ives (H. B.) Co., New Haven, Conn.
Jencks (E.) Mfg. Co., Worcester, Mass. "Crescent," "Invisible"
Keil (Francis) & Son, Inc., 401 E. 163rd, New York, N. Y.
Kersten Co., Inc., Chicago, Ill.
Laughlin (Thos.) Co., Portland, Me.
Lawrence Bros., Sterling, Ill.
Lockwood Mfg. Co., Fitchburg, Mass.
McKenna Brass & Mfg. Co., Pittsburgh, Pa.
Manhattan Mfg. & Jobbing Co., 182 Av. C., New York, N. Y.
Milwaukee Stamping Co., Milwaukee, Wis. (Combination Door Bumper)
National Brass Co., Grand Rapids, Mich. "Essential"
National Brass Mfg. Co., Cincinnati, O.
National Screw & Tack Co., Cleveland, O.
Newman Mfg. Co., Cincinnati, O.
Norwalk Lock Co., 12 Warren, New York, N. Y.
Novelty Mfg. Co., Waterbury, Conn.
Pacific Hardware Mfg. Co., Los Angeles, Cal.
Parker Wire Goods Co., Worcester, Mass. "Heavy Duty," "King," "Vulcan"
Payson Mfg. Co, Chicago, Ill.
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Penn Hardware Co., Reading, Pa.
Phoenix Lock Wks., 3rd Av., Newark, N. J.
Pocono Metal Mfg. Co., E. Stroudsburg, Pa.
Reading Hardware Co., Reading, Pa.
Reed & Prince Mfg. Co., Worcester, Mass.
Reliable Mfg. Co., New Haven, Conn.
Rostand Mfg. Co., Milford, Conn.
Russell (J. M.) Mfg. Co., Naugatuck, Conn.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sager Lock Wks. of Yale & Towne Mfg. Co., N. Chicago, Ill.
Sargent & Co., New Haven, Conn.
Searls Mfg. Co., 29 Mulberry, Newark, N. J.
Sharon Hdw. Mfg. Co., Sharon, Pa.
Shelby Spring Hinge Co., Shelby, O.
Slaymaker Lock Co., Lancaster, Pa.
Stearns (E. C.) & Co., Syracuse, N. Y. "Stearns Ecsco"
Stover Mfg. & Engine Co., Freeport, Ill.
Super Novelty Co., 18 Park Pl., New York, N. Y. "Bingo" (Rubber Vacuum)
Susquehanna Casting Co., Wrightsville, Pa.
U. S. Lock & Hdw. Co., Columbia, Pa.
Vineland Flint Glass Wks., Vineland, N. J.
Washburn Company, Worcester, Mass. "Czar," "Eclipse," "King," "Natwire," "Vulcan"
Waterbury Mfg. Co., Waterbury, Conn.
Weber-Knapp & Son Co., Jamestown, N. Y.
"White Steel" Sanitary Furniture Co., Grand Rapids, Mich.
Wilcor-Wyman-O'Rourke Co., Chicago, Ill.
Wilcox, Crittenden & Co., 77 S. Main, Middletown, Conn.
Williams (A. C.) Co., Ravenna, O.
Williamson (C. T.) Wire Novelty Co., 53 Badger Av., Newark, N. J.
Yale & Towne Mfg. Co., Stamford, Conn.

HOOKS, Corn

(See also Knives, Corn)

American Fork & Hoe Co., Cleveland, O. "True Temper"
Clyde Cutlery Co., Clyde, O.
North Wayne Tool Co., Oakland, Me. "Brooks," "Little Giant," "Oakland," "Yankee"
Old File Cutlery Co., Havana, Ill.
Village Blacksmith Folks, Watertown, Wis.
Wadsworth (David) & Son, Box 610, Auburn, N. Y. "Royal"
Winsted Mfg. Co., Inc., Winsted, Conn. "Corn Cutter"

HOOKS, Cornice

Brooks (M. S.) & Sons, Chester, Conn.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Jencks (E.) Mfg. Co., Worcester, Mass.
Moulton Ladder Mfg. Co., Somerville, Mass.
Parker Metal Goods Co., Worcester, Mass.
Parker Wire Goods Co., Worcester, Mass.
Sargent & Co., New Haven, Conn.
Washburn Company, Worcester, Mass.

HOOKS, Cotton, Box, Hay, Etc.

Bonney Forge & Tool Wks., Allentown, Pa.
Carver Tool Wks., Spring Valley, N. Y.
Chatillon (John) & Sons, 85 Cliff, New York, N. Y. "Foster Bros."
Columbus Handle & Tool Corp. Works of the National Handle Co., Columbus, Ind.
Drew (C.) & Co., Kingston, Mass.
Duffy Mfg. Co., Chicago, Ill.
Eagle Tool Wks., Bayonne, N. J.
Hood Bros., Oxford, Phila., Pa.
Johnson (William), Inc., 36 Brenner, Newark, N. J.
Kilborn & Bishop Co., New Haven, Conn. "Green Line"
Kraeuter & Co., 583 18th Av., Newark, N. J.
Myers (F. E.) & Bro. Co., Ashland, O.
National Tool Co., 86 Walker, New York, N. Y.
New London Vise Wks., New London, Conn.
Osborne (C. S.) & Co., Box 183, Newark, N. J.
Parker Wire Goods Co., Worcester, Mass.
Sargent & Co., New Haven, Conn.
Stortz (John) & Co., Phila., Pa.
Thomas Mfg. Co., Cedar Rapids, Ia.
Union Metal Goods Co., Pawtucket, R. I.
Vaughan & Bushnell Mfg. Co., Chicago, Ill. "V & B"
Wadsworth (David) & Son, Box 610, Auburn, N. Y.
Zering (H.) Mfg. Co. (Oakley), Cincinnati, O.

HOOKS, Cup, Screw, Etc.

Automatic Wire Goods Mfg. Co., 15 Canal Pl., New York, N. Y.
Beardsley & Wolcott Mfg. Co., Waterville, Conn.
Brooks (M. S.) & Sons, Chester, Conn.
Grey Iron Casting Co., Mt. Joy, Pa.
Hager (C.) & Sons Hinge Mfg. Co., St. Louis, Mo.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Hindley Mfg. Co., Valley Falls, R. I.
Jencks (E.) Mfg. Co., Worcester, Mass.
Larson (Chas. O.) Co., Sterling, Ill.
Laughlin (Thos.) Co., Portland, Me.
Lawrence Bros., Sterling, Ill.
Moore Push Pin Co., Phila., Pa.
Parker Metal Goods Co., Worcester, Mass.
Parker Wire Goods Co., Worcester, Mass.
Pittsburgh Knife & Forge Co., Pittsburgh, Pa.
Richards (Benj.) & Co., Winsted, Conn.
Sargent & Co., New Haven, Conn.
Stanley Wks., New Britain, Conn.
Stransky Products Corp., 261 Canal, New York, N. Y. "No Scru"
Turner & Stanton Co., Norwich, Conn.
Washburn Company, Worcester, Mass.
Wickwire, Spencer Steel Co., Inc., 41 E. 42nd, New York, N. Y.
Wilcox, Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.
Williamson (C. T.) Wire Novelty Co., 53 Badger Av., Newark, N. J.
Winsted Hdw. Mfg. Co., Winsted, Conn.

HOOKS, Curtain Rod, Sash

Autoyre Co., Oakville, Conn.
Jencks (E.) Mfg. Co., Worcester, Mass.
Judd (H. L.) Co., 87 Chambers, New York, N. Y.
Larson (Chas. O.) Co., Sterling, Ill.
Newell Mfg. Co., Ogdensburg, N. Y.
Parker Wire Goods Co., Worcester, Mass.
Washburn Company, Worcester, Mass.
Western Newell Mfg. Co., Freeport, Ill.
Wickwire Spencer Steel Co., Inc., 41 E. 42nd, New York, N. Y.
Winsted Hdw. Mfg. Co., Winsted, Conn.

HOOKS, "Eight"—See Hooks, "S"

HOOKS, Fire Pail

Parker Wire Goods Co., Worcester, Mass. "Imperial"
Sargent & Co., New Haven, Conn.
Washburn Company, Worcester, Mass.

HOOKS, Fish
(See also Hooks, Snelled)

Abbey & Imbrie, Utica, N. Y. "Milwards"
Chubb (T. H.) Rod Co., Post Mills, Vt.
Enterprise Mfg. Co., Dept. HA, Akron, O. "Ajax California," "Carlisle," "Central Draught," "Cincinnati Bass," "Coast Limerick," "Gaff," "Halibut," "I. P. Cod," "Kirby," "Kirby Bent Sea," "Limerick," "O'Shaughnessy," "Sheepshead," "Sneck," "Sobey Sproat," "Treble," "Virginia," "Zane Grey Swordfish Hook"
Eppinger, Lou J., Detroit, Mich. "Eppinger," "Nostealum," "Osprey"
Greer Mfg. Co., Atlanta, Ga.
Horrocks-Ibbotson Co., Dept. S., Utica, N. Y. "Unxld"
Jamison (W. J.) Co., Chicago, Ill.
Junod (P.) & Co., Celina, O.
Montague City Rod Co., Montague City, Mass.
Northern Specialty Co., Whitehall, N. Y.
Pepper, Jos. E., Rome, N. Y.
Pequea Wks., Strasburg, Pa.
Redifor Rod & Reel Co., Washington, D. C.
Richardson Rod & Reel Co., Chicago, Ill.
Shakespeare Co., Kalamazoo, Mich.
South Bend Bait Co., South Bend, Ind.
Van Vleeck Hook Co., Toledo, O.
Viers & Scott, Red Lodge, Mont.
Weber Lifelike Fly Co., Stevens Point, Wis.
Williams, Lacey Y., Oak Harbor, O
Wright & McGill Co., Denver, Col. "Eagle Claw"

HOOKS, Flashing

Hess (Chas.) Co., 49-14 Metropolitan Av., Bklyn., N. Y.

HOOKS, Garment—See Hooks, Coat and Hat

HOOKS and EYES, Gate

Brooks (M. S.) & Sons, Chester, Conn.
Champion Hdw. Co., Geneva, O.
Covert Mfg. Co., Troy, N. Y.
Frantz Mfg. Co., Sterling, Ill.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Hindley Mfg. Co., Valley Falls, R. I.
Jencks (E.) Mfg. Co., Worcester, Mass.
Judd (H. L.) Co., 87 Chambers, New York, N. Y.
Kees (F. D.) Mfg. Co., Beatrice, Neb.
Landers, Frary & Clark, New Britain, Conn.
Larimer Co., Aurora, Ill.
Larson (Chas. O.) Co., Sterling, Ill.
Lawrence Bros., Sterling, Ill.
National Mfg. Co., Sterling, Ill.
Parker Metal Goods Co., Worcester, Mass.
Parker Wire Goods Co., Worcester, Mass.
Sargent & Co., New Haven, Conn.
Shelby Spring Hinge Co., Shelby, O.
Wagner Mfg. Co., Cedar Falls, Ia.
Washburn Company, Worcester, Mass.
Wickwire Spencer Steel Co., 41 E. 42nd, New York, N. Y.

HOOKS, Gaff—See Gaffs, Fish, Landing

HOOKS, Grab—See Hooks, Chain

HOOKS, Grappling

American Logging Tool Co., Evart, Mich.
Hess (Chas.) Co., 49-14 Metropolitan Av., Bklyn., N. Y.

HOOKS, Grass

American Fork & Hoe Co., Cleveland, O. "True Temper"
Atkins (E. C.) & Co., Indianapolis, Ind. "A. A. A."
Boker (H.) & Co., 101 Duane, New York, N. Y. "Trenton"
Brooklyn Metal Stamping Corp., 718 Atlantic Av., Bklyn., N. Y. (Razor Blade)
C-K-R Co., Cleveland, O. "Cronk," "Queen," "Star"
Columbian Cutlery Co., Reading, Pa.
Emerson & Stevens Mfg. Co., Oakland, Me. "Clipper," "Diamond"
Ennis Mfg. Co., Reading, Pa.
Kelly Axe & Tool Wks. of American Fork & Hoe Co., Charleston, W. Va. "Blood's," "Briar Edge," "Hand Made," "Perfect"
North Wayne Tool Co., Oakland, Me. "Cyclone," "Junior," "Komet," Lawn King," "Lawn Queen," "Little Giant," "Nolin," "Nowatoco," "Oakland," "Quaker"
Old File Cutlery Co., Havana, Ill.
Rixford Mfg. Co., E. Highgate, Vt.
Sythax Mfg. Co., Memphis, Tenn.
Village Blacksmith Folks, Watertown, Wis.
Wadsworth (David) & Son, Box 610, Auburn, N. Y.
Winsted Mfg. Co., Inc., Winsted, Conn. "Green Bird," "Perfect Cutter"

HOOKS, Hammock

Arcade Mfg. Co., Freeport, Ill.
Brooks (M. S.) & Sons, Chester, Conn.
Chain Products Co., 3290 Cooper Av., Cleveland, O. 'Hodell"
Corbin, P. & F., New Britain, Conn.
Grey Iron Casting Co., Mt. Joy, Pa.
Jencks (E.) Mfg. Co., Worcester, Mass.
Laughlin (Thos.) Co., Portland, Me.
Lawrence Bros., Sterling, Ill.
Lockwood Mfg. Co., Fitchburg, Mass.
Palmer (I. E.) Co., Middletown, Conn.
Parker Wire Goods Co., Worcester, Mass.
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Penn Hdw. Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.
Tie Co., Unadilla, N. Y. "Hold Fast"
Washburn Company, Worcester, Mass.
Wilcox, Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.
Wrought Hdw. & Forging Co., Phila., Pa.

HOOKS, Harness

Arcade Mfg. Co., Freeport, Ill.
Bridgeport Chain & Mfg. Co., Bridgeport, Conn.
Brooks (M. S.) & Sons, Chester, Conn.
Columbus-McKinnon Chain Co., Tonawanda, N. Y.
Corbin, P. & F., New Britain, Conn.
Covert Mfg. Co., Troy, N. Y.
Drew Line Co., Ft. Atkinson, Wis.
Elbel Co., Canton, O. "Owl"
Frantz Mfg. Co., Sterling, Ill.
Grey Iron Casting Co., Mt. Joy, Pa.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Imperial Bit & Snap Co., Racine, Wis.
Jencks (E.) Mfg. Co., Worcester, Mass.
Klauer Mfg. Co., Dubuque, Ia.
Lawrence Bros., Sterling, Ill.
Lockwood Mfg. Co., Fitchburg, Mass.
North & Judd Mfg. Co., New Britain, Conn. "Anchor"
Oliver Iron & Steel Co., Pittsburgh, Pa.
Parker Metal Goods Co., Worcester, Mass.
Parker Wire Goods Co., Worcester, Mass.
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Penn Hdw. Co., Reading, Pa.
Pratt (Wm. E.) Mfg. Co., Chicago, Ill. "Pratt's Handy"
Reading Hdw. Co., Reading, Pa.
Sargent & Co., New Haven, Conn.
Sharon Hdw. Mfg. Co., Sharon, Pa.
Smith (F. P.) Wire & Iron Wks., Chicago, Ill.
Steffens-Amberg Co., 262 Morris Av., Newark, N. J.
Stover Mfg. & Engine Co., Freeport, Ill.
Susquehanna Casting Co., Wrightsville, Pa.
Swett (A. L.) Iron Works, Medina, N. Y.
U. S. Hame Co., Buffalo, N. Y.
Washburn Company, Worcester, Mass. "Czar"
Weller Hdw. & Foundry Co., Horseheads, N. Y.
Wilcox, Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.

HOOKS, Hat—See Hooks, Coat and Hat

HOOKS, Hay—See Hooks, Cotton, Box, Hay, Etc.

HOOKS, Hay Hoist

Myers (F. E.) & Bro. Co., 902 Church, Ashland, O.

HOOKS, Hoisting, Bale, Barrel, Can, Etc.

Hess (Chas.) Co., 49-14 Metropolitan Av., Bklyn., N. Y.
Williams (J. H.) & Co., Buffalo, N. Y. "Vulcan"

HOOKS, Ice

Bonney Forge & Tool Wks., Allentown, Pa.
Briddell, Chas. D., Crisfield, Md.
Columbus Handle & Tool Corp. Works of the National Handle Co., Columbus, Ind.
Gruman Ice Tool Wks., Branchville, Conn.
Henderson, D., Dallas, Tex.
Staatsburg Ice Tool Works, Staatsburg-on-the-Hudson, N. Y.
Stortz (John) & Son, Phila., Pa.

HOOKS, Joint

Hess (Chas.) Co., 49-14 Metropolitan Av., Bklyn., N. Y.

HOOKS, Ladder

Hyde Park Mfg. Co., Southbridge, Mass.
Marine Hardware Equipment Co., S. Portland, Me. "Mheco"
Rich Pump & Ladder Co., 1028 Depot, Cincinnati, O.
Swaine (John) Agricultural Iron Wks., Springfield, Mass.
Young (J. O.) Co., Springfield, Mass.
Wrought Hdw. & Forging Co., Phila., Pa.

HOOKS, Lug—See Carriers, Timber

HOOKS, Manure

American Fork & Hoe Co., Cleveland, O. "True Temper"
International Fork & Hoe Co., New Haven, Ind.
Union Fork & Hoe Co., Columbus, O.

HOOKS, Meat

Brooks (M. S.) & Sons, Inc., Chester, Conn.
Enterprise Mfg. Co. of Pa., Phila., Pa.
Hess (Chas.) Co., 49-14 Metropolitan Av., Bklyn., N. Y.
Parker Wire Goods Co., Worcester, Mass.
Sargent & Co., New Haven, Conn.
Vaughan & Bushnell Mfg. Co., Chicago, Ill. "V & B"
Washburn Company, Worcester, Mass.

HOOKS, Meat Selecting

Hess (Chas.) Co., 49-14 Metropolitan Av., Bklyn., N. Y.

HOOKS, Painters'

Bridgeport Chain & Mfg. Co., Bridgeport, Conn.
Swaine (John) Agricultural Iron Wks., Springfield, Mass.
Wrought Hdw. & Forging Co., Phila., Pa.
Young (J. O.) Co., Springfield, Mass.

HOOKS, Picture

American Ring Co., Waterbury, Conn.
Autoyre Co., Oakville, Conn.
Beardsley & Wolcott Mfg. Co., Waterville, Conn.
Brooks (M. S.) & Sons, Chester, Conn.
Forsyth Metal Goods Co., Inc., E. Aurora, N. Y. "Beauty," "Big Giant," "Orient," "Uncle Sam"
Goertz (August) & Co., 276 Morris Av., Newark, N. J. "Handihook"
Hampden Mfg. Co., 17 Warren, New York, N. Y. "Hang-Ons," "Hang-Ups"
Hess (Chas.) Co., 49-14 Metropolitan Av., Bklyn., N. Y.
Jencks (E.) Mfg. Co., Worcester, Mass.
Judd (H. L.) Co., 87 Chambers, New York, N. Y.
Moore Push-Pin Co., 113 125 Berkley, Phila., Pa.
Novelty Mfg. Co., Waterbury, Conn.
Parker Wire Goods Co., Worcester, Mass.
Richards (Benj.) & Co., Winsted, Conn.
Stransky Products Corp., 261 Canal, New York, N. Y. "No Scru"
Turner & Seymour Mfg. Co., Torrington, Conn.
Turner & Stanton Co., Norwich, Conn. "Franklin"
Washburn Company, Worcester, Mass.
Wickwire Spencer Steel Co., Inc., 41 E. 42nd, New York, N. Y.
Williamson (C. T.) Wire Novelty Co., 53 Badger Av., Newark, N. J.
Winsted Hdw. Mfg. Co., Winsted, Conn.
Wrought Hdw. & Forging Co., Phila., Pa.

HOOKS, Pipe, Conductor

Berger Mfg. Co., Canton, O.
Braden Mfg. Co., Terre Haute, Ind.
Edwards Mfg. Co., Cincinnati, O.
Hess (Chas.) Co., 49-14 Metropolitan Av., B'klyn, N. Y.
Iwan Bros., South Bend, Ind.
Klauer Mfg. Co., Dubuque, Ia. "Faultless"
Merchant & Evans Co., Phila., Pa.
Milcor Steel Co., Milwaukee, Wis. "Direct Drive"
New Delphos Mfg. Co., Delphos, O.
New Orleans Roofing & Metal Co., New Orleans, La. "Nola"
Ohio Corrugating Co., Warren, O.
Ohio Wire Products Co., Dover, O.
Parker Metal Goods Co., Worcester, Mass.
Parker Wire Goods Co., Worcester, Mass.
Reeves Mfg. Co., Dover, O.
Reznor Mfg. Co., Mercer, Pa.
Sargent & Co., New Haven, Conn.
Vaughan & Bushnell Mfg. Co., Chicago, Ill. "V. & B."
Wheeling Steel Corp., Wheeling, W. Va.

HOOKS, Pipe, Plumbers'

Hess (Chas.) Co., 49-14 Metropolitan Av., B'klyn, N. Y.
Larson (Chas. O.) Co., Sterling, Ill.
Western Wire Products Co., St. Louis, Mo.

HOOKS, Potato

American Fork & Hoe Co., Cleveland, O. "True Temper"
Union Fork & Hoe Co., Columbus, O.

HOOKS, "S"

American Chain Co., Inc., Bridgeport, Conn. "Acco"
Automatic Wire Goods Mfg. Co., 15 Canal Pl., New York, N. Y.
Bonney Forge & Tool Wks., Allentown, Pa.
Bridgeport Chain & Mfg. Co., Bridgeport, Conn.
Brooks (M. S.) & Sons, Chester, Conn.
Chain Products Co., 3290 Cooper Av., Cleveland, O. 'Hodell"
Hager (C.) & Sons, Hinge Mfg. Co., St. Louis, Mo.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Hess (Chas.) Co., 49-14 Metropolitan Av., B'klyn, N. Y.
Jencks (E.) Mfg. Co., Worcester, Mass.
Jenkinson (R. C.) & Co., 289 Washington, Newark, N. J.
Laughlin (Thos.) Co., Portland, Me.

HOOKS, "S" (Continued)

Oneida Chain Co., Oneida, N. Y.
Parker Metal Goods Co., Worcester, Mass.
Parker Wire Goods Co., Worcester, Mass.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Russell (J. M.) Mfg. Co., Naugatuck, Conn.
Sargent & Co., New Haven, Conn.
Smith (Frank F.) Hdw. Co., 81 Clay, Newark, N. J.
Steele & Johnson Mfg. Co., Waterbury, Conn.
Turner & Seymour Mfg. Co., Torrington, Conn.
Washburn Company, Worcester, Mass.
Wickwire Spencer Steel Co., Inc., 41 E. 42d, New York, N. Y. "Eclipse"
Wilcox, Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.
Wrought Hdw. & Forging Co., Phila., Pa.

HOOKS, Safety

Laughlin (Thos.) Co., Portland, Me. "Dirigo"
Taylor (S. G.) Chain Co., Hammond, Ind.
Wilcox, Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.

HOOKS, Screw

American Chain Co., Inc., Bridgeport, Conn. "Acco"
Brooks (M. S.) & Sons, Chester, Conn.
Grand Rapids Brass Co., Grand Rapids, Mich.
Hager (C.) & Sons Hinge Mfg. Co., St. Louis, Mo.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Hindley Mfg. Co., Valley Falls, R. I.
Judd (H. L.) Co., 87 Chambers, New York, N. Y.
Larson (Chas. O.) Co., Sterling, Ill.
Laughlin (Thos.) Co., 199 Fore, Portland, Me.
Lawrence Bros., Sterling, Ill.
Lawson, Chas. O., Sterling, Ill.
National Lock Co., Rockford, Ill.
Ney Mfg. Co., Canton, O.
Parker Metal Goods Co., Worcester, Mass.
Parker Wire Goods Co., Worcester, Mass.
Richards (Benj.) & Co., Winsted, Conn.
Sargent & Co., New Haven, Conn.
Turner & Stanton Co., Norwich, Conn.
Washburn Company, Worcester, Mass.
Wilcox, Crittenden & Co., Inc., 77 S. Main, Middletown, Conn. (Wrought Iron)
Williamson (C. T.) Wire Novelty Co., 53 Badger Av., Newark, N. J.
Wrought Hdw. & Forging Co., Phila., Pa.

HOOKS, Shutter

Braun (J. G.) Co., Chicago, Ill.
Brooks (M. S.) & Sons, Chester, Conn.
Detroit Hardware Mfg. Co., Detroit, Mich.
Hess (Chas.) Co., 49-14 Metropolitan Av., B'klyn, N. Y.
Sargent & Co., New Haven, Conn.
Stanley Wks., New Britain, Conn.
United Specialties Mfg. Co., Ltd., Richmond Hill, N. Y.

HOOKS, Sign

Hess (Chas.) Co., 49-14 Metropolitan Av., B'klyn, N. Y.
Parker Wire Goods Co., Worcester, Mass.
Sargent & Co., New Haven, Conn.

HOOKS, Slaters'

Belden Mach. Co., New Haven, Conn.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Parker Wire Goods Co., Worcester, Mass.
Purdy, Wm. A., Manchester, Vt.

HOOKS, Slip—See Hooks, Chain

HOOKS, Snap

Autoyre Co., Oakville, Conn.
Imperial Bit & Snap Co., Racine, Wis.
Jenkinson (R. C.) & Co., 289 Washington, Newark, N. J.
Laughlin (Thos.) Co., Portland, Me. "Dirigo"
Sargent & Co., New Haven, Conn.
Wilcox, Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.

HOOKS, Snelled
(See also Hooks, Fish)

Abbey & Imbrie, Utica, N. Y.
Burgess (B.) Minot, Me.
Chubb (T. H.) Rod Co., Post Mills, Vt.
Driscoll, Bruck & Co., Portland, Ore.
Enterprise Mfg. Co., Dept. HA, Akron, O. "Pflueger Bull Dog"
Horrocks-Ibbotson Co., Dept. S, Utica, N. Y.
South Bend Bait Co., South Bend, Ind.
Weber Lifelike Fly Co., Stevens Point, Wis. "Tiedrite"

HOOKS and STAPLES, Steel

Frantz Mfg. Co., Sterling, Ill.
Hess (Chas.) Co., 49-14 Metropolitan Av., B'klyn, N. Y.
Larson (Chas. O.) Co., Sterling, Ill.
Lawrence Bros., Sterling, Ill.
McKinney Mfg. Co., Pittsburgh, Pa.
National Mfg. Co., Sterling, Ill.
Ney Mfg. Co., Canton, O.
Parker Wire Goods Co., Worcester, Mass.
Stanley Wks., New Britain, Conn.
Titchener (E. H.) & Co., Binghamton, N. Y.

HOOKS, Stone

American Fork & Hoe Co., Cleveland, O. "True Temper"
Taylor (S. G.) Chain Co., Hammond, Ind.
Union Fork & Hoe Co., Columbus, O.

HOOKS, Strap

Parker Wire Goods Co., Worcester, Mass.

HOOKS, "T"

Automatic Wire Goods Mfg. Co., 15 Canal Pl., New York, N. Y.
Hager (C.) & Sons Hinge Mfg. Co., St. Louis, Mo.
Jencks (E.) Mfg. Co., Worcester, Mass.
Parker Wire Goods Co., Worcester, Mass.
Washburn Company, Worcester, Mass.

HOOKS, Tape and Rule

Lufkin Rule Co., Saginaw, Mich.

HOOKS, Track, Overhead Carrying

Myers (F. E.) & Bro. Co., 902 Church, Ashland, O. (Hay, etc.)

HOOKS, Vine

Star Expansion Bolt Co., 147 Cedar, New York, N. Y. "Vyntach"

HOOKS, Weeding—See Weeders, Garden and Lawn

HOOP DRIVERS—See Drivers, Coopers Hoop

HOOP FASTENERS—See Fasteners, Hoop

HOOPS and BANDS, Steel

Acme Steel Co., Chicago, Ill.
Cary Products Co., Inc., 126 Nassau, B'klyn, N. Y.

HOPPERS, Feed, Poultry

Boyer Mfg. Co., Thorntown, Ind.
Butler Co., Butler, Ind.
Collins, W. H., 445 Greenwich, New York, N. Y.
Drew Line Co., Fort Atkinson, Wis.
Globe American Corp., Kokomo, Ind. "Makomb"
Hoeft & Co., Inc., 2309 Davis, North Chicago, Ill. "Moe's"
Hudson (H. D.) Mfg. Co., Chicago, Ill.
Ideal Can Co., Everett, Mass.
James Mfg. Co., Fort Atkinson, Wis. "Jamesway"
Mit-Shel Stamping Mfg. Co., Quincy, Ill.
New McCurdy Mfg. Co., Ada, O.
North-Western Stamping Co., Burlington, Ia.
Oakes Mfg. Co., Tipton, Ind.
Royal Mfg. Co., Toledo, O.
Sexton Can Co., Everett, Mass.
Simplicity Incubator Corp., Indianapolis, Ind. "I. C."
United Steel & Wire Co., Battle Creek, Mich.

HORIZONTAL BARS—See Bars, Horizontal

HORNS, Bicycle

Delta Electric Co., Marion, Ind. "Gangway" (Electric)
Seiss Mfg. Co., Toledo, O.

HORNS, Carnival, Toy, Etc.

Fishlove (H.) & Co., Chicago, Ill.
Marks Bros. Co., Boston, Mass. (Cardboard)
Novelty Mfg. Co., Lancaster, Pa.
"Old Glory" Mfg. Co., Chicago, Ill.
Republic Metalware Co., Buffalo, N. Y.
Sears-Sackett Co., Permanent Bldg., Cleveland, O.
Truitt Mfg. Co., Washington, D. C.

HORNS, Electric—See Horns, Mechanical

HORNS, Mechanical, Automobile

American Electric Co., Chicago, Ill. "Samson-Lion," "Samson-Tiger"
Banner Accessory Mfg. Co., St. Louis, Mo.
Bevin Bros. Mfg. Co., East Hampton, Conn.
Buell Mfg. Co., Chicago, Ill.
E. A. Laboratories, Inc., 696 Myrtle Av., B'klyn, N. Y. "Handphone," "Newtone"
Federal Electric Co., Chicago, Ill. (Electric) "Triple A"
Fitzgerald Mfg. Co., Torrington, Conn. "Clero"
Fulton Co., Milwaukee, Wis. "Aermore"
General Industries Co., Elyria, O.
Gray-Heath Co., Chicago, Ill.
Heinze Electric Co., Lowell, Mass. "Heco"
Inter-State Mach. Products Co., Rochester, N. Y. "Sterling"
Klaxon Co., Anderson, Ind.
Miller-Lovatt Co., Weatherly, Pa. "M-L"
Moto Meter Gauge & Equipment Corp., Toledo, O. "Moto Vox"
Schwartz Electric Co., Adrian, Mich.
Seiss Mfg. Co., Toledo, O. (Electric and Hand)
Sireno Co., 75 Clinton, S. I., New York, (Sirens)
Sparks-Withington Co., Jackson, Mich. "Sparton Chime," "Sparton-Echo," "Spartonet"
Stewart-Warner Corp., Chicago, Ill.

HORSE BLANKETS—See Blankets, Horse

HORSE BOOTS, Lawn—See Boots, Horse, Lawn

HORSE BRUSHES—See Brushes, Horse

HORSE CARDS—See Cards, Cotton and Wool

HORSE CLIPPING MACHINES—See Clipping Machines, Horse

HORSE COLLAR PADS—See Pads, Horse Collar

HORSE COLLARS—See Collars, Horse

HORSE COVERS—See Blankets, Horse

HORSE DRAWN SPRAYERS—See Sprayers, Horse Drawn

HORSE FLY NETS—See Nets, Fly, Horse

HORSE GROOMING MACHINES—See Grooming Machines, Horse

HORSE HAND CLIPPERS—See Clippers, Hand, Horse

HORSE MUZZLE WIRE CLOTH—See Cloth, Wire, Horse Muzzle

HORSE MUZZLES—See Muzzles, Horse

HORSE RADISH GRATERS—See Graters, Vegetable, Etc.

HORSE SADDLE BLANKETS—See Blankets, Saddle

HORSE, SAW BRACKETS — See Brackets, Saw Horse

HORSE, SAW LEGS—See Legs, Saw Horse

HORSE SHEARS—See Shears, Mule and Horse

HORSE SHOE CALKS—See Calks, Horse Shoe

HORSE SHOE CARRIERS—See Cases, Horse Shoe Carrying

HORSESHOE MAGNETS—See Magnets, Horseshoe

HORSE SHOE NAILS—See Nails, Horse Shoe

HORSE SHOE PADS—See Pads, Horse Shoe

HORSE SHOES—See Shoes, Horse

HORSE SHOES, Pitching—See Shoes, Horse, Pitching

HORSE STALL WATERING BOWLS—See Bowls, Watering, Horse Stall

HORSE TIES—See Ties, Cattle and Horse

HORSE TOOTH FILES—See Files, Tooth, Horse

HORSES, Hobby, Rocking

Appleton Toy & Furniture Co., Appleton, Wis.
Barber (W. A.) Brattleboro, Vt.
Converse-Mason Corp., Winchendon, Mass. "Quality Line"
Gibbs Mfg. Co., Canton, O.
Gould Mfg. Co., Toy Div., Oshkosh, Wis. "Hobbie Toddler," "Horsie Toddler," "Special Shoofly"
Janesville Products Co., Janesville, Wis.
Kirby Mfg. Co., Middletown, Conn.
Meinecke Mfg. Co., Milwaukee, Wis.
Skinner (A. B.) Co., Keene, N. H.
South Bend Toy Mfg. Co., South Bend, Ind. "Shoo-Fly"
South Tamworth Industries, Inc., South Tamworth, N. H.
Whitney Reed Corp., Leominster, Mass.

HORSES, Steel

Angle Steel Stool Co., Plainwell, Mich.
Gabriel Steel Co., Detroit, Mich.
Garage Utilities Co., Inc., Hackensack, N. J. "Hi-Lo" (Automobile)
Leach Co., Oshkosh, Wis. "Oshkosh" (Folding)
Royal Metal Mfg. Co., Chicago, Ill.
Toledo Pressed Steel Co., Toledo, O. (Folding)

HORSES, Toy

Gibbs Mfg. Co., Canton, O.
Green Toy Works, Racine, Wis.
International Wood & Paper Products Corp., Baltimore, Md.
Madmar Quality Co., Utica, N. Y.
Oconomowoc Wooden Toy & Specialty Co., Oconomowoc, Wis.

HORSESHOERS' HAMMERS—See Hammers, Farriers'

HOSE BANDS—See Clamps, Hose

HOSE CLAMPS—See Clamps, Hose

HOSE COUPLINGS—See Couplings, Hose

HOSE, Garden

Acme Rubber Mfg. Co., Trenton, N. J.
Boston Woven Hose & Rubber Co., Cambridge, Mass. "Bull Dog," "Bull Dog Cord," "Good Luck," "Leader," "Milo," "Thorobred," "Vigilant," "Vixen,"
Cincinnati Rubber Mfg. Co. (Norwood), Cincinnati, O. "Losant," "Motor," "Norwood," "Royal Red"
Combination Rubber Mfg. Co., Trenton, N. J.
Continental Rubber Works, Erie, Pa. "Erie Cord"
Diamond Rubber Co., Inc., Akron, O. "Antelope," "Clipper," "Defiance," "Star," "Titan Lion"
Eclat Rubber Co., Cuyahoga Falls, O.
Electric Hose & Rubber Co., Wilmington, Del. "Blackfin," "Electric," "Raven," "Standard"
Empire Tire & Rubber Corp., Trenton, N. J.
Gates Rubber Co., Denver, Colo. "Vulco"
Goodall Rubber Co., Phila., Pa. "Bellwood," "SSS," "Saxon"
Goodrich (B. F.) Rubber Co., Akron, O. "DeLuxe," "Garden Club," "Maxecon," "Multispray"
Goodyear Tire & Rubber Co., Akron, O. "Elm," "Emerald Cord," "Glide," "Pathfinder," "Wingfast"
Graton & Knight Co., Worcester, Mass.
Hamilton Rubber Mfg. Co., Trenton, N. J.
Hewitt Gutta Percha Rubber Corp., Buffalo, N. Y.
Home Rubber Co., Trenton, N. J.
Keystone Brass & Rubber Co., Phila., Pa.
Manhattan Rubber Mfg. Co., Passaic, N. J.
Mercer Rubber Co., Hamilton Square, N. J.
New York Rubber Corp., 19 W. 44th, New York, N. Y.
Pioneer Rubber Mills, San Francisco, Cal. "Clover," "Crackproof," "Golden Gate," "Reliance," "Rubro," "Sunproof," "Wearso"
Quaker City Rubber Co., Wissinoming, Phila., Pa. "Atlantic," "Corporal," "Fern," "Kaptan," "Kernel," "Ketmar," "Neptune," "Nymph," "Reding," "Ringmeter," "Sargent," "Standard," "Surprise," "Tioga," "Wonderful," "Yankee"
Republic Rubber Co., Youngstown, O.
Swan Rubber Co., Bucyrus, O.
Thermoid Rubber Co., Trenton, N. J.
Tillinghast (B. C.) Rubber Co., Inc., Phila., Pa.
Trenton Rubber Mfg. Co., Trenton, N. J.
Union Rubber & Asbestos Co., Trenton, N. J.
United & Globe Rubber Co., Trenton, N. J.
United States Rubber Co., 1790 B'way, New York, N. Y. "Magic," "Neptune," "Palisade," "Rainbow," "Royal Cord"
Voorhees Rubber Mfg. Co., 18 Bostwick Av., Jersey City, N. J.
Whitehead Bros. Rubber Co., Trenton, N. J.
Woven Steel Hose & Rubber Co., Trenton, N. J.

HOSE HOLDERS—See Holders, Hose

HOSE MENDERS—See Menders, Hose

HOSE NIPPLES—See Nipples, Hose

HOSE NOZZLES—See Nozzles, Hose

HOSE RACKS—See Holders, Hose

HOSE REDUCERS—See Reducers, Hose

HOSE REELS—See Reels, Hose

HOSE, Rubber

American Rubber Mfg. Co., San Francisco, Cal.
Apex Rubber Co., Kansas City, Mo.
Atlantic Mfg. Co., Wilmington, Del.
Boston Woven Hose & Rubber Co., Cambridge, Mass. "Bull Dog"
Cincinnati Rubber Mfg. Co. (Norwood), Cincinnati, O.
Diamond Rubber Co., Inc., Akron, O. "Lion," "Titan"
Durst Mfg. Co., 468 B'way, New York, N. Y. "Dumaco"
Eclat Rubber Co., Cuyahoga Falls, O. "Ekla," "Tribune"
Electric Hose & Rubber Co., Wilmington, Del. "Electric," "Velvet"
Empire Tire & Rubber Corp., Trenton, N. J.
Globe Rubber Wks., Inc., Boston, Mass.
Goodall Rubber Co., Phila., Pa.
Goodrich (B. F.) Rubber Co., Akron, O. "DeLuxe," "Mainstay," "Maxecon"
Goodyear Tire & Rubber Co., Akron, O. "Elm," "Emerald Cord," "Glide," "Pathfinder," "Wingfast"
Hewitt-Gutta Percha Rubber Corp., Buffalo, N. Y.
Hodgman Rubber Co., Framingham, Mass.
Home Rubber Co., Trenton, N. J.
Keystone Brass & Rubber Co., Phila., Pa.
Laurel Co., Garfield, N. J.
New York Rubber Corp., 19 W. 44th, New York, N. Y.
Phoenix Mfg. Co., Joliet, Ill. (Radiator)
Pioneer Rubber Mills, San Francisco, Cal. "Crackproof," "Live Oak," "Native," "Reliance," "Rubro," "Seal Rock," "Sunproof," "Sunset," "Wearso"
Quaker City Rubber Co., Wisinoming, Phila., Pa. "Atlantic," "Aero," "Crown," "Ebonite," "Fern," "Girard," "Grainfield," "Hercules," "Melrose," "Moto," "Pomona," "Prairie," "Quaker City," "Red Acre," "Red Field," "Revolc," "Ruhral," "Standard," "Wonderful," "Yankee"
Republic Rubber Co., Youngstown, O.
Rose (Frank) Mfg. Co., Hastings, Nebr.
Swan Rubber Co., Bucyrus, O.
Thermoid Rubber Co., Trenton, N. J.
Tillinghast (B. C.) Rubber Co., Inc., Phila., Pa.
Union Rubber & Asbestos Co., Trenton, N. J.
United States Rubber Co., 1790 B'way, New York, N. Y.

HOSE VALVES—See Valves, Hose

HOSE WASHERS—See Washers, Hose, Garden

HOT AIR FURNACES—See Furnaces, Warm Air

HOT AIR REGISTERS—See Registers, Warm Air

HOT BED HEATERS, ELECTRIC—See Heaters, Hot Bed, Electric

HOT BLAST LANTERNS—See Lanterns, Hot Blast

HOT CLOSETS—See Warmers, Plate

HOT HOUSE PULLEYS—See Pulleys, Ceiling and Hot House

HOTHOUSES, TOY—See Greenhouses, Toy

HOT PLATES—See Plates, Hot

HOT PRESSED NUTS—See Nuts, Hot Pressed

HOT WATER BOILERS—See Boilers, Heating, Steam or Hot Water

HOT WATER BOTTLES, METAL—See Metal Hot Water Bottles

HOT WATER HEATERS, Electric—See Heaters, Water, Electric

HOTEL KITCHEN SUPPLIES — See Supplies, Kitchen, Hotel and Restaurant

HOTEL STOVES AND RANGES—See Stoves and Ranges, Hotel and Restaurant

HOUSE BROOMS—See Brooms, Corn

HOUSE FURNISHING GOODS—See article desired

HOUSE LOCKS—See Locks, Sets, Door and House; also Knobs, Door

HOUSE NUMBERS—See Numbers and Letters, Metal

HOUSE PUMPS—See Pumps, House

HOUSE SAFES—See Safes, House

HOUSEHOLD BRUSHES—See Brushes, Household

HOUSEHOLD CLEANING PAPER—See Paper, Household, Cleaning

HOUSEHOLD CEMENT — See Cement, China, Crockery, Glass, Etc.

HOUSEHOLD FORKS—See Forks, Household

HOUSEHOLD FUNNELS—See Funnels, Household

HOUSEHOLD GLUE—See Glue, Liquid

HOUSEHOLD GRIND STONES—See Stones, Grind, Household

HOUSEHOLD HARDWARE—See Hardware, Household

HOUSEHOLD LADLES—See Ladles, Household

HOUSEHOLD MEASURES—See Measures, Household

HOUSEHOLD RACKS—See Dryers, Clothes; also Racks, Towel; also Shelves, Glass

HOUSEHOLD SCALES—See Scales, Household

HOUSEHOLD SCOOPS—See Scoops, Household

HOUSEHOLD SNIPS—See Snips, Household

HOUSEHOLD SPECIALTIES—See article desired

HOUSEHOLD STEELS—See Steels, Knife Sharpening

HOUSEHOLD THERMOMETERS—See Thermometers, Household

HOUSEHOLD TOOLS—See Tools, Household

HOUSEHOLD VISE—See Vises, Garage and Household

HOUSES, Bird

Arcade Mfg. Co., Freeport, Ill.
Batcheller (Fred. E.) Asso., Marlboro, N. H.
Clark (J. L.) Mfg. Co., Rockford, Ill.
Crescent Co., Toms River, N. J.
Dodson, Jos. H., Kankakee, Ill.
Express Body Corp., Crystal Lake, Ill.
Jacobs, J. Warren, Waynesburg, Pa.
Leveren Co., Inc., Hillsboro, N. H.
Packard, Winthrop, Canton, Mass.
Put-Together Handicraft Shop, Elmhurst, Ill.
Reiber Bird Reserve, West Webster, N. Y.
Wright (John Lloyd) Inc., Chicago, Ill. "Lincoln Logs"

HOUSES, Doll

Arcade Mfg. Co., Freeport, Ill.
Brinkman Engineering Co., Dayton, O.
Carrom Co., Ludington, Mich.
Converse-Mason Corp., Winchendon, Mass.
Playskool Institute, Div. of John Schroder Lumber Co., Milwaukee, Wis.
Rochester Folding Box Co., Rochester, N. Y. "Jackbuilt"
Schoenhut (A.) Co., Phila., Pa.
Stanley (C. C.) Brighton, Mass.
Terre Town Toy Tradesman, Terre Haute, Ind.
Wayne Paper Goods Co., Fort Wayne, Ind.
Wicker Toy Mfg. Co., Columbus, O.
Wisconsin Toy Co., Milwaukee, Wis.

HOUSES, Play

Jamison (Robert W.) Mfg. Co., Los Angeles, Cal.
King Paper Specialties Co., Three Rivers, Mich. "Tom Thumb"
Meccano Co. of America, Inc., 200 5th Av., New York, N. Y. (Greenhouses)
Rich Mfg. Co., Morrison, Ill.
Stradiuara Co., Coshocton, O.
Terre Town Toy Tradesmen, Terre Haute, Ind.
Von Platen-Fox Co., Iron Mountain, Mich.
Wright (John Lloyd) Inc., Chicago, Ill. "Lincoln Logs"

HOUSES, Poultry, Portable

Catherman (J. A.) Mfg. Concern, Beaver Springs, Pa.
Close-to-Nature Co., Colfax, Ia.
Hodgson (E. F.) Co., Boston, Mass.
James Mfg. Co., Fort Atkinson, Wis. "Jamesway"
Martin Steel Products Co., Mansfield, O.
Potter Mfg. & Lumber Co., Downers Grove, Ill. "Redybilt"
Thomas-Armstrong Co., London, O. "Buckeye"

HOVERS—See Incubators; also Brooders

HULLERS, Strawberry

Parker Wire Goods Co., Worcester, Mass. "Nip-It"
Washburn Company, Worcester, Mass.
White (Ira F.) & Son Co., Bloomfield, N. J.

HUMIDIFIERS—See Air Conditioners

HUNTING BASKETS—See Baskets, Pack

HUNTING BOATS—See Boats, Hunting

HUNTING CAPS—See Hats, Hunting

HUNTING HATS—See Hats, Hunting

HUNTING JACKETS—See Jackets, Hunting

HUNTING KNIVES—See Knives, Hunting

HUNTING LAMPS—See Lamps, Hunting

HUNTING SHOES—See Shoes, Hunting

HUSKERS, Corn

Adams Co., Marysville, O.
Advance-Rumely Thresher Co., La Porte, Ind. "Rumely"
Appleton Mfg. Co., Batavia, Ill.
Boss Mfg. Co., Kewanee, Ill.
Gehl Bros. Mfg. Co., West Bend, Wis.
International Harvester Co. of America, Chicago, Ill. "McCormick-Deering"
Kees (F. D.) Mfg. Co., Beatrice, Nebr.
Milwaukee Hay Tool Co., Milwaukee, Wis.
Remmel Mfg. Co., Kewaskum, Wis
Rosenthal Corn Husker Co. (West Allis), Milwaukee, Wis.
Smalley Mfg. Co., Manitowoc, Wis.
U. S. Wind Engine & Pump Co., Batavia, Ill. "U. S. Standard"
Vim Tractor Co., Schleisingerville, Wis. "Slinger"

HUSKING GLOVES—See Gloves, Husking

HYDRANTS

Aeromotor Co., Chicago, Ill.
Barnes Mfg. Co., Mansfield, O.
Douglas (W. & B.) Pump Co., Phila., Pa.

HYDRANTS (Continued)

Eddy Valve Co, Waterford, N. Y. (Fire)
Fairbanks, Morse & Co., Chicago, Ill.
Flint & Walling Mfg. Co., Kendallville, Ind.
Goulds Mfg. Co., Seneca Falls, N. Y.
Heller-Aller Co., Napoleon, O.
Mast, Foos & Co, Springfield, O.
Rumsey Pump Co., Seneca Falls, N. Y.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Western Mfg. Co., Oskaloosa, Ia.

HYDRAULIC JACKS—See Jacks, Hydraulic

HYDRAULIC RAMS—See Rams, Hydraulic

HYDROMETERS

Allied Steel Products Co., Aurora, Ill.
Battery Equipment & Supply Co., Chicago, Ill. "Besco," "Junior"
Chaney Mfg. Co., Springfield, O.
Edelmann (E.) & Co., Chicago, Ill. "Breaknot," "Testometer"
Freas (Francis L.) Glass Wks., Conshohocken, Pa. "Clearview"
Griebel Instrument Co., Carbondale, Pa.
Hydrometer Corp., Chicago, Ill.
Moeller Instrument Co., 261 Sumpter, B'klyn, N.Y. "A. E. M."
Ohio Thermometer Co., Springfield, O.
Ricker Instrument Co., Phila., Pa.
Scranton Glass Instrument Co., Scranton, Pa. "Kant Stick," "Reliable," "Simplex"
Steiner Mfg. Co., 590 Jackson Av., Long Island City, N. Y. "Hydrokit," "Wintometer"
Taylor Instrument Companies, Rochester, N. Y. "Freezometer"
Testrite Instrument Co., 57 E. 11th, New York, N. Y.

ICE AUGERS—See Tools, Ice

ICE AWLS—See Picks, Ice

ICE AXES—See Axes, Ice

ICE BOATS, Toy—See Boats, Toy

ICE BOX ACCESSORY—See Refrigerator Accessory

ICE BOXES, AUTOMOBILE—See Boxes, Ice

ICE BREAKERS—See Breakers, Ice

ICE CHIPPERS—See Chippers, Ice

ICE CHISELS—See Chisels, Ice

ICE CHOPPERS—See Breakers, Ice

ICE CREAM DISHERS—See Dishers, Ice Cream

ICE CREAM FREEZERS—See Freezers, Ice Cream

ICE CREAM MOLDS—See Molds, Ice Cream

ICE CREAM SCOOPS—See Scoops, Ice Cream

ICE CREAM SPOONS—See Spoons, Ice Cream

ICE CREEPERS—See Creepers, Ice

ICE CUBE BREAKERS—See Breakers, Ice Cube

ICE CUBE CRUSHERS—See Breakers, Ice Cube

ICE CUBE CUTTERS—See Cutters, Ice Cube

ICE CUBE TRAYS—See Trays, Ice Cube

ICE GUARDS, Roof—See Guards, Ice and Snow, Roof

ICE HATCHETS—See Hatchets, Ice

ICE HOOKS—See Hooks, Ice

ICE PICKS—See Picks, Ice

ICE PLOWS—See Plows, Ice

ICE SAWS—See Saws, Ice

ICE SCOOPS—See Scoops, Ice

ICE SHAVERS—See Shavers, Ice

ICE SHREDDERS—See Shredders, Ice

ICE SKATES—See Skates, Ice

ICE TONGS—See Tongs, Ice

ICE TOOLS—See Tools, Ice

ICED TEA SPOONS—See Spoons, Iced Tea and Soda

ICELESS REFRIGERATORS—See Refrigerators, Iceless

IMPLEMENTS, Garden—See article desired

INBOARD BOAT ENGINES—See Motors, Boat, Inboard

INBOARD MOTORS—See Motors, Boat, Inboard

INCINERATORS, Garbage

Buffalo Co-operative Stove Co., Buffalo, N. Y.
Detroit-Michigan Stove Co., Detroit, Mich. "Detroit Jewel," "Garland," "Laurel" (Gas)
General Incinerator Co., Alliance, O. "Cinator," "Genico"
Hawes Mfg. Co., Inc., Worcester, Mass. (Indoor)
Home Incinerator Co., Milwaukee, Wis. "Incinor" (Gas)
Kellogg Mann Co., Buffalo, N. Y.
Kerner Incinerator Co., Milwaukee, Wis.
Majestic Co., Huntington, Ind.
Milwaukee Tank Wks., Milwaukee, Wis. "Household"
Morse-Boulger Destruction Co., 465 Lexington Av., New York, N. Y.
Mueller (L. J.) Furnace Co., Milwaukee, Wis.
Pittsburgh Incinerator Mfg. Co., Inc., Pittsburgh,
Prescott (J. B.) & Son Webster, Mass.
Stearns (E. C.), Syracuse, N. Y. "Incinerite" Pa.

INCUBATOR LAMPS—See Lamps, Incubator

INCUBATOR THERMOMETERS—See Thermometers, Incubator

INCUBATORS
(See also Brooders)

American Incubators, Inc., New Brunswick, N. J. "Wishbone"
Automatic Incubator Co., Delaware, O. "Dico"
Belle City Incubator Co., Racine, Wis.
Brower Mfg. Co., Quincy, Ill. "Sav-All"
Buckeye Incubator Co., Springfield, O.
Buffalo Incubator Co., Buffalo, N. Y.
Bundy Incubator Co., Springfield, O.
Candee Incubator & Brooder Co., Eastwood, N. Y.
Capital Incubator Co., St. Paul, Minn.
Close-To Nature Co., Colfax, Ia.
Cyphers Incubator Co., Buffalo, N. Y.
Delaware Industries Co., Delaware, O. "Dico"
Des Moines Incubator Co., Des Moines, Ia. "Successful"
Electric Controller Co., Greenfield, Ind. "Lectro-Hatch"
Globe American Corp., Kokomo, Ind. "Makomb"
Hoeft & Co., Inc., 2309 Davis, N. Chicago, Ill. "Moe's"
Hopson (W. C.) Co., Grand Rapids, Mich. (Oil Burning)
James Mfg. Co., Ft. Atkinson, Wis. "Jamesway"
Johnson (M. M.) Co., Clay Center, Neb.
Leahy Mfg. Co., Higginsville, Mo.
Miller (J. W.) Co., Rockford, Ill. "DeLuxe," "Ideal"
Model Incubator Co., Buffalo, N. Y.
Oakes Mfg. Co., Tipton, Ind.
Petaluma Electric Incubator Co., Petaluma, Cal.
Petersine (Ira M.) & Son, Gettysburg, O.
Pratt (Wm. E.) Mfg. Co., Chicago, Ill.
103 Degree Incubator Co., Crown Point, Ind.
Queen Incubator Co., Lincoln, Neb. "Lincoln"
Reliable Incubator & Brooder Co., Quincy, Ill. "Imperial"
Royal Mfg. Co., Toledo, O.
Sheer (H. M.) Co., Quincy, Ill. "Mul-ti-dek Sectional"
Sure-Hatch Incubator Co., Fremont, Neb.
Thermo-Electric Incubator Co., Inc., New Orleans, La. "Reed"
Wisconsin Incubator Co., Racine, Wis.

INDIA INK—See Inks, Drawing

INDIA TWINE—See Twine, India

INDIAN CLUB HANGERS—See Hangers, Dumb-Bell and Indian Club

INDIAN CLUBS—See Clubs, Indian

INDICATOR BOLTS—See Bolts, Indicator

INDICATORS, Speed
(See also Speedometers)

Amthor Testing Instrument Co., 309 Johnson, Bklyn., N. Y.
Atkins (E. C.) & Co., Indianapolis, Ind.
Bowsher (N. P.) Co., South Bend, Ind.
Bristol Co., Waterbury, Conn.
Brown Instrument Co., Phila., Pa.
Brown & Sharpe Mfg. Co., Providence, R. I.
Greene, Tweed & Co., 109 Duane, New York, N. Y. "Empire," "Weiss"
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Starrett (L. S.) Co., Athol, Mass.
Veeder Root Co., Inc., Hartford, Conn.

INDICATORS, Umpires'

Draper-Maynard Co., Plymouth, N. H.
Goldsmith's (P.) Sons, Cincinnati, O.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stall & Dean Mfg. Co., Brockton, Mass.

INDIVIDUAL RESIDENCE ELEVATORS—See Elevators, Residence, Individual

INDOOR BASE BALLS—See Balls, Base, Indoor

INFANTS' BATH TUBS—See Tubs, Bath, Infants'

INFLATERS, Foot Ball

Bridgeport Brass Co., Bridgeport, Conn. "No 330"
Draper-Maynard Co., Plymouth, N. H.
Goldsmith's (P.) Sons, Cincinnati, O.
Noera Mfg Co., Waterbury, Conn.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Reg'lar Fellers, Cincinnati, O.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stall & Dean Mfg. Co., Brockton, Mass.

INKS, Drawing

Carter Ink Co., E. Cambridge, Boston, Mass.
Conklin Pen Mfg. Co., Toledo, O.
Davis (Wm. A.) Co., Canton, Mass. "Treasury"
Dietzgen (Eugene) Co., Chicago, Ill.
Higgins (Chas. M.) & Co., 277 9th, Bklyn., N. Y.
Keuffel & Esser Co., 300 Adams, Hoboken, N. J.

INK, India—See Ink, Drawing

INKS, Marking, Metal

Binney & Smith Co., 41 E. 42nd, New York, N. Y. "Opalac"
Metal Writing Fluid Mfg. Co., Chicago, Ill.
Strasenburgh (R. J.) & Co., Rochester, N. Y.

INKS, Stencil

Binney & Smith Co., 41 E. 42nd, New York, N. Y. "Alpha," "Eclipse"
Bradley (A. J.) Mfg. Co., 101 Beekman, New York, N. Y.
Dexter Mfg. Co., Chicago, Ill.
Dickey Grabler Co., Cleveland, O.
Display Material Co., St. Paul, Minn. "Stencillor"
Ideal Stencil Machine Co., Belleville, Ill.

INNER TUBES, Automobile—See Tubes, Automobile

INSECT CREAM—See Cream, Insect

INSECT EXTERMINATORS—See Exterminators, Insect

INSECT POWDER GUNS—See Dusters, Insecticide

INSECT SCREEN CLOTH—See Cloth Wire

INSECTICIDE DUSTERS—See Dusters, Insecticide

INSECTICIDES
(See also Exterminators, Insect; also Fungicides)

Alabastine Co., Grand Rapids, Mich. "Bug-Finish"
American Agricultural Chemical Co., 420 Lexington Av., New York, N. Y.
American Cyanamid Sales Co., 535 5th Av., New York, N. Y. "Cyanogas"
Antiseptic Products Co., Denver, Colo.
Antrol Laboratories, Inc., Los Angeles, Cal. "Antrol," "Snarol"
Aspinwall, Geo. H., Corneilson Av., Jersey City, N. J.
Barrett Co., 40 Rector, New York, N. Y. "Creonoid"
Black Flag Co., Baltimore, Md.
Bowker Chemical Co., 419 4th Av., New York, N. Y. "Pyrox"
California Rex Spray Co., Benicia, Cal. "Rex"
Carbola Chemical Co., Natural Bridge, N. Y. "C. C. C."
Carpenter (W. D.) Co., Syracuse, N. Y.
Cedarite Sales Co., 71 Murray, New York, N. Y. (Moth)
Chemical Supply Co., Cleveland, O.
Chipman Chemical Engineering Co., Bound Brook, N. J. "Cubor"
Clean Home Products Corp., Chicago, Ill. "Plantox"
Clifton Chemical Co., 246 Front, New York, N. Y.
Devoe & Raynolds Co., 1 W. 47th, New York, N. Y.
Electric Sprayit Co., South Bend, Inc. "Sprayo"
Enoz Chemical Co., Chicago, Ill.
Fergusson (Alex C.) Co., Phila., Pa.
Flesh Chemical Co., Cambridge, Mass. "Flash Cafo Cear"
Frederick Disinfectant Co., Atlanta, Ga.
Frost Insecticide Co., Arlington, Mass.
General Chemical Co., Phila., Pa. "Orchard Brand"
General Laboratories, Inc., Madison, Wis. "Indor"
Grasselli Chemical Co., Cleveland, O. "Dutox"
Hammond Paint & Chemical Co., Beacon, N. Y. "Slug Shot," "Thrip Juice"
Hess & Clark, Inc., Ashland, O.
Hockwald Chemical Co., San Francisco, Cal. "Carbolicide"
Insecticide Co., San Francisco, Cal.
Interstate Chemical Co., 667 Garfield Av., Jersey City, N. J.
Koppers Products Co., Pittsburgh, Pa. "Velvet"
Little Brown Jug, Inc., Reading, Pa. (Fly)
Lucas (John) & Co., Phila., Pa.
McCormick & Co., Inc., Baltimore, Md. "Bee Brand"
McLaughlin Gormley King Co., Minneapolis, Minn. "Ever Green"
Martin-Senour Co., Chicago, Ill.
Midway Chemical Co., Chicago, Ill. "FLYded," "Swish"
Niagara Sprayer & Chemical Co., Middleport, N. Y.
Nicotine Mfg. Co., St. Louis, Mo.

INSECTICIDES (Continued)

Northwestern Chemical Co., Marietta, O.
O'Cedar Corp., Chicago, Ill.
Opitz (John), Inc., 220 E. 42nd, New York, N. Y. "J. O."
Painter (E. O.) Fertilizer Co., Jacksonville, Fla.
Peerless Stock Powder Co., Falls City, Neb. "Nox-a-Bug"
Penick (S. B.) & Co., 113 Fulton, New York, N. Y.
Plunkett Chemical Co., Chicago, Ill. "Bug-no," "Moth-no," "Roach-no"
Powell (John) & Co., Inc., 114 E. 32nd, New York, N. Y.
Pratt (B. G.) Co., 50 Church, New York, N. Y. "Scalecide"
Rath (Hedley E.) Mfg. Co., Phila., Pa. "Dead Easy"
Reilly Chemical Co., Inc., Indianapolis, Ind.
Reliable Incubator & Brooder Co., Quincy, Ill.
Rohodes Chemical Mfg. Co., Chicago, Ill.
Sawyer Chemical Corp., 151 W. 64th, New York, N. Y. "Hypo"
Shur-Gro Fertilizer Corp., Pittsburgh, Pa.
Sinclair Refining Co., Chicago, Ill. "P.D."
Smith (D. B.) & Co., Utica, N. Y. "Lightning," "Saveol"
Spiritine Chemical Co., Wilmington, N. C.
Standard Chemical Co., Houston, Tex. "Cedo-Cide"
Standard Chemical Works, Inc., Reading, Pa. "Calso," "Pan-Tox," "San-O-Spray"
Standard Oil Co. of N. J., 26 Broadway, New York, N. Y. "Flit"
Standard Tar Products Co., Milwaukee, Wis. "Rid-A-Pest," "Usol"
Stearns Electric Paste Co., Chicago, Ill.
Superior Laboratories, Grand Rapids, Mich. (Household) "Mistalyse"
Tanglefoot Co., Grand Rapids, Mich.
Tobacco By-Products & Chemical Corp., Louisville, Ky. "Black Leaf 40"
Toledo Rex Spray Co., Toledo, O. "Flytox," "Moth-Tox," "Stockaid"
West Disinfecting Co., 16 Barn, Long Island City, N. Y.
White Tar Co. of New Jersey, Inc., Kearny, N. J.
Wilson (Andrew), Inc., Springfield, N. J. "Awing," "Fung-O," "O. K.," "Scale-O"

INSERTED TOOTH SAWS—See Saws, Insterted Tooth

INSPECTION Lamps, Electric—See Lamps, Electric, Hand or Inspection

INSPECTION STAMPS—See Stamps, Log Hammer and Inspection

INSPECTORS' LANTERNS—See Lanterns, Inspectors'

INSTRUMENT, TUBE TESTER—See Radio Tube Tester

INSTRUMENTS, Drawing

Dietzgen (Eugene) Co., Chicago, Ill.
Keuffel & Esser Co., 300 Adams, Hoboken, N. J.

INSTRUMENTS, Mathematical and Survey

Chicago Steel Tape Co., Chicago, Ill.
Keuffel & Esser Co., 300 Adams, Hoboken, N. J.
Wissler Instrument Co., St. Louis, Mo.

INSTRUMENTS, Musical, Toy—See Musical Toys and Instruments

INSTRUMENTS, Surveying—See Instruments, Mathematical and Surveying

INSULATED PLIERS—See Pliers, Electricians'

INSULATED PORCELAIN EYES—See Eyes, Porcelain, Insulated

INSULATED SCREW DRIVERS—See Screw Drivers, Insulated

INSULATED STAPLES—See Staples, Insulated

INSULATED WIRE—See Wire, Insulated

INSULATING CAPS for BOLTS, Nuts & Screws—See Caps, Bolt, Nut & Screw

INSULATING TAPE—See Tape, Rubber and Friction

INSULATING WASHERS—See Washers, Mica

INSULATOR BRACKETS—See Brackets, Insulator

INSULATORS, Antenna—See Radio Antenna Insulators

INSURANCE, Fire

Hardware Dealers Mutual Fire Ins. Co., Stevens Point, Wis.
Iowa Hardware Mutual Insurance Co., Hardware Bldg., Mason City, Ia.
Minnesota Implement Mutual Fire Ins. Co., Owatonna, Minn.
National Hardware Service Corp., Elgin, Ill.
Ohio Hardware Mutual Insurance Co., Coshocton, O.

INTERVIEWERS, Door

Art Craft Mfg. Co., Chicago, Ill.
Dorroscope Co., 32 Union Sq., New York, N. Y.
Home Protector Device Corp., 2230 Bathgate Av., New York, N. Y. "Bauer's De Luxe," "Ideal"
Keil (Francis) & Son, 401 E. 163rd, New York, N. Y.

INVALID ELEVATORS—See Elevators, Invalid

INVALID LIFTS—See Elevators, Invalid

INVISIBLE HINGES—See Hinges, Invisible

IRON, Angle, Channel and "T"—See Steel or Iron, Angle, Channel and "T"

IRON BANKS, Toy—See Banks, Toy

IRON, Bar—See Steel or Iron, Bar

IRON BURRS—See Burrs and Rivets, Iron

IRON BUTTS—See Butts, Iron

IRON CEMENT—See Cement, Cast Iron

IRON DOLL BEDS—See Beds, Doll

IRON FENCE—See Fence and Railings, Iron

IRON FERRULES—See Ferrules, Iron and Steel

IRON GRATINGS—See Gratings, Iron

IRON GRIDDLES—See Griddles, Iron

IRON KETTLES—See Kettles, Cast Iron

IRON LAMPS—See Lamps, Artistic Bronze and Wrought Iron

IRON PAILS—See Pails, Galvanized

IRON PIPE—See Pipe

IRON PIPE CUTTERS—See Cutters, Pipe

IRON POSTS—See under Posts

IRON RAILING—See Railing, Pipe, Iron

IRON RAILINGS—See Fence and Railings, Iron

IRON RINGS—See Rings, Iron and Steel

IRON RIVETS—See Rivets, Iron; also Burrs and Rivets, Iron

IRON SETTEES—Furniture, Garden, Lawn and Porch

IRON SQUARES—See Squares, Iron

IRON STAIRS—See Stairs, Iron

IRON TOYS, TRAINS, SAD IRONS, Etc.

Arcade Mfg. Co., Freeport, Ill.
Champion Hardware Co., Geneva, O.
Dent Hdw., Co., Fullerton, Pa.
Dover Mfg. Co., Dover, O.
Grey Iron Casting Co., Mount Joy, Pa.
Hubley Mfg. Co., Lancaster, Pa.
Kenton Hdw. Co., Kenton, O.
Kilgore Mfg. Co., Westerville, O.
Kingsbury Mfg. Co., Keene, N. H.
Lionel Corp., 15 E. 26th, New York, N. Y.
National Sewing Machine Co., Belvidere, Ill. "Vindex Toys"
Stevens (J. & E.) Co., Cromwell, Conn.
White Beauty Electric Co., Inc., Chicago, Ill.
Williams (A. C.) Co., Ravenna, O.

IRON VALVES—See Valves, Iron

IRON VASES—See Vases, Lawn

IRON WASHERS—See Washers, Iron

IRON WORK, Ornamental

Alamo Iron Wks., San Antonio, Tex.
Art Metal Works, 7 Mulberry, Newark, N. J. (Ecclesiastical)
Auer Register Co., Cleveland, O. (Grilles)
Badger Wire & Iron Wks., Milwaukee, Wis.
Columbus Wire & Iron Wks. Co., Columbus, O.
Davis & Siehl Co., Cincinnati, O.
Enterprise Fence & Wire Mfg. Co., Indianapolis, Ind. (Iron Doors)
Highton (Wm.) & Sons, Co., Nashua, N. H.
Logan Co., Louisville, Ky.
Myers (Fred J.) Mfg. Co., Hamilton, O.
Ohio Elevator & Mach Co., Columbus, O.
Pekor Foundry Co., Columbus, Ga.
Rostand Mfg. Co., Milford, Conn.
Stewart Iron Wks. Co., Inc., 814 Stewart Block, Cincinnati, O.

IRON WORKERS WRENCHES—See Wrenches, Bridge Builders

IRONERS, Electric

(See also Mangles)

Altorfer Bros. Co., Peoria, Ill. "ABC" "Rollabout"
American Ironing Mach. Co., Subsidiary of Barlow & Seeelig Mfg. Co., Algonquin, Ill. (Electric and Gas) "Ironette," "Master," "Simplex," "Super"
Apex Electrical Mfg. Co., Cleveland, O. "Rotarex"
Automatic Washer Co., Newton, Ia.
Barlow & Seelig Mfg. Co., Ripon, Wis. "Simplex"
Blackstone Mfg. Co., Jamestown, N. Y.
Chamberlain Corp., Waterloo, Ia.
Conlon Corp., Chicago, Ill.
Crosley Radio Corp., Cincinnati, O. "Moto-Iron"
Dexter Co., Fairfield, Ia. "Rainbow"
Easy Washing Machine Co., Syracuse, N. Y.
Federal Electric Co., Chicago, Ill. "Fedelco"
General Electric Co., Bridgeport, Conn.
General Electric Co., Schenectady, N. Y.
Grinnell Washing Mach. Corp., Grinnell, Ia. "Princess"
Horton Mfg. Co., Fort Wayne, Ind. "Do-All" (Automatic) (Rotary Attachment)
Hurley Machine Co., Chicago, Ill. "Thor"
Ironrite Iron Co., Detroit, Mich.
Landers, Frary & Clark, New Britain, Conn. "Universal"
Maytag Co., Newton, Ia.
Meadows Mfg. Co., Bloomington, Ill.
Nineteen Hundred Corp., Binghamton, N. Y. "Whirlpool"
Permo Products Corp., Chicago, Ill. "Flanders"
Savage Arms Corp., Utica, N. Y. "Domestic Portable"
Voss Bros. Mfg. Co., Davenport, Ia.
Vulcan Mfg. Co., Kansas City, Mo. "Bungalow," "Faultless"
Young & Franklin Tool Wks., Inc., Syracuse, N.Y.
Westinghouse Electric & Mfg. Co., Mansfield, O.

IRONING BOARD COVER FASTENERS—See Fasteners, Cover, Ironing Board

IRONING BOARD COVERS AND PADS—See Covers and Pads, Ironing Board

IRONING BOARDS—See Boards, Ironing

IRONING BOARDS, Toy—See Boards, Ironing, Toy

IRONING MACHINES—See Ironers, Electric

IRONING TABLES—See Tables, Ironing

IRONS, Brace, Corner, Etc.

Acme Steel Co., Chicago, Ill.
C-K-R Company, Cleveland, O. "Handy"
Chicago Hdw. Foundry Co., North Chicago, Ill.
Cleveland Hdw. Co., Cleveland, O.
Coleman Hdw. Co., Inc., Chicago, Ill.
Corbin Cabinet Lock Co., New Britain, Conn.
D'Arcy Spring Co., Kalamazoo, Mich.
Eberhard Mfg. Co., Cleveland, O.
Excelsior Tool & Mfg. Co., 881 E. 147th, New York, N. Y.
Frantz Mfg. Co., Sterling, Ill.
General Hardware & Mfg. Co., Phila., Pa.
Grey Iron Casting Co., Mt. Joy, Pa.
Griffin Mfg. Co., Erie, Pa.
Hager (C.) & Sons Hinge Mfg. Co., St. Louis, Mo.
Hess (Chas.) Co., 49-14 Metropolitan Av., B'klyn, N. Y.
Hubeny Brothers, Inc., Roselle, N. J.
Lawrence Bros., Sterling, Ill.
McKinney Mfg. Co., Pittsburgh, Pa.
National Brass Co., Grand Rapids, Mich. "Essential"
National Mfg. Co., Sterling, Ill.
Phenix Mfg. Co., Milwaukee, Wis.
Pratt (Wm. E.) Mfg. Co., Chicago, Ill.
Richards-Wilcox Mfg. Co., Aurora, Ill.
Sargent & Co, New Haven, Conn.
Stanley Wks., New Britain, Conn.
Stearns (E. C.) & Co., Syracuse, N. Y.
Wrought Washer Mfg. Co., Milwaukee, Wis.

IRONS, Branding—See Brands, Burning

IRONS, Calking—See Tools, Calking

IRONS, Curling

Houchin (Thos. W.) Co., 309 9th, Jersey City, N. J.
Washburn Co., Chicago Div., Chicago, Ill.

IRONS, Curling, Electric

Beardsley & Wolcott Mfg. Co., Waterbury, Conn. "Wavette," "Wavette Jr."
Bersted Mfg. Co., Chicago, Ill.
Betsy Ross Electric Products Corp., Johnson City, N. Y.
Dominion Electric Mfg. Co., Minneapolis, Minn. "Domino"
Electrahot Mfg. Co., Minneapolis, Minn. "Perfecurl"
Fitzgerald Mfg. Co., Torrington, Conn. "Star-Rite"
General Electric Co., Bridgeport, Conn. "Hot Point"
Knapp-Monarch Co., Belleville, Ill. "Therm-a-Hot"
Landers, Frary & Clark, New Britain, Conn. "Landers," "Universal"
Lindemann (A. J.) & Hoverson Co., Milwaukee, Wis. "L & H Electric"
Manning, Bowman & Co., Meriden, Conn.
National Electric Appliance Co., Cleveland, O. "De Luxe," "National," "Princess"
National Stamping & Electric Wks., Chicago, Ill. "White Cross"
Ohio Art Co., Bryan, O. "Delta"
Pelouze Mfg. Co., Chicago, Ill.
Rogers Electric Laboratories Co., Cleveland, O.

IRONS, Curling, Electric (Continued)

Samson-United Corp., Rochester, N. Y.
Simplex Div. Edison General Electric Appliance Co., Chicago, Ill.
Superior Elec. Products Corp., St. Louis, Mo. "Bobbed Hair Special," "Brown Beauty," "Super Lectric"
Vulcan Electric Heater Corp., 225 Varick, New York, N. Y. "Electrocurl"
Waage Electric Co., Chicago, Ill.
Westinghouse Electric & Mfg. Co., Mansfield, O.
White Beauty Electric Co., Inc., Chicago, Ill.

IRONS, Flagging

Redlich Mfg. Co., Chicago, Ill.

IRONS, KNURLING—See Tools, Knurling

IRONS, Leg—See Handcuffs, Twisters, Leg Irons, Etc.

IRONS, Patty

Sandvik Saw & Tool Corp., Minneapolis, Minn. "Rosette" (Imported)

IRONS, Pinking

Osborne (C. S.) & Co., Box 183, Newark, N. J.

IRONS, Plane

Buck Bros., Millbury, Mass.
Chapin-Stephens Co., Pine Meadow, Conn.
Mack & Co., Rochester, N. Y. "D. R. Barton"
Sandvik Saw & Tool Corp., Minneapolis, Minn. "Shark" (Imported)
Sargent & Co., New Haven, Conn.
Shelton Tool Co., Shelton, Conn.
Stanley Wks., New Britain, Conn.
Union Mfg. Co., New Britain, Conn.
White (L. & I. J.) Co., Division of the Simonds-Worden-White Co., Dayton, O.

IRONS, Porch Post

American Fdry. & Mfg. Co., St. Louis, Mo.
Grey Iron Casting Co., Mt. Joy, Pa.
Kramer Bros. Foundry Co., Dayton, O.
Penn. Hdw. Co., Reading, Pa.
Susquehanna Casting Co., Wrightsville, Pa.
Swett (A. L.) Iron Works, Medina, N. Y.
Wrightsville Hdw. Co., Wrightsville, Pa.

IRONS, Sad, Charcoal

Chattanooga Implement & Mfg. Co., Chattanooga, Tenn.
Colebrookdale Iron Co., Boyertown, Pa. "Bless & Drake"

IRONS, Sad, Electric

American Electrical Heater Co., Detroit, Mich. "American Beauty"
American Gas Machine Co., Inc., Albert Lea, Minn. "American"
Arcade Mfg. Co., Freeport, Ill. (Toy)
Beardsley & Wolcott Mfg. Co., Waterbury, Conn. "Torrid" (Automatic)
Bersted Mfg. Co., Chicago, Ill. "Lightning" (Automatic)
Betsy Ross Electric Products Corp., Johnson City, N. Y. "Duo Point" (Automatic)
Birtman Elec. Co., Chicago, Ill. "Bee-Vac" (Automatic)
Chicago Electric Mfg. Co., Chicago, Ill. "Handy Hot," "De Luxe"
Chicago Flexible Shaft Co., Chicago, Ill. "Domestic," "Ironmaster," "Princess," "Sunbeam Master Automatic"
Colebrookdale Iron Co., Boyertown, Pa. "Kole-Brook"
Coleman Lamp & Stove Co., Wichita, Kan. "Master," "Master Automatic"
Cotable Electric Co., Chicago, Ill. (Cordless)
De Jur Electric Wks., 124 Bleecker, New York, N.Y.
Dixie Metal Products Co., Birmingham, Ala.
Dominion Electrical Mfg. Co., Minneapolis, Minn. "Domino," "Iron-O-Matic" (Automatic)
Dover Mfg. Co., Dover, O. "A-Best-O," "Bonnie Dover," "Domanco," "Favorite," "Junior," "Lady Dover," "Perfection," "Pacemaker Automatic'
Dowd Rodgers Co., Inc., 95 Madison Av., New York, N. Y. "Lady Rodgers," "Baby Rodgers"
Eagle Electric Mfg. Co., Inc., 59 Hall, B'klyn, N.Y.
Enterprise Corp., Chicago, Ill. (Cordless)
Ev'ryday Electric Co., Marion, Ind.
Fada Radio & Elec. Corp., 24 Orchard, Long Island City, N. Y. "Fada Wireless"
Fitzgerald Mfg. Co., Torrington, Conn. "Featherweight," "Star-Rite"
General Electric Co., Bridgeport, Conn. "Hot Point"
Graybar Electric Co., 420 Lexington Av., New York, N. Y.
Harold (J. D.) Co., Cleveland, O.
Iserson, A. S., 99 Madison Av., New York, N. Y. (Cordless Automatic)
Kingston Products Corp., Kokomo, Ind. "Little Lady" (Toy)
Knapp-Monarch Co., Belleville, Ill. "Therm-a-Hot," "Therm-a-Magic"
Landers, Frary & Clark, New Britain, Conn. "Landers," "Universal" (Automatic)
Lindemann (A. J.) & Hoverson Co., Milwaukee, Wis. "L & H Electric"
Manning, Bowman & Co., Meriden, Conn.
Metal Ware Corp., Two Rivers, Wis. "Empire"
National Stamping & Electric Wks., Chicago, Ill. "1922," "Superior," "248," "White Cross" (Automatic)
Ohio Art Products Co., Bryan, O. "Delta"
Pelouze Mfg. Co., Chicago, Ill.
Proctor & Schwartz Electric Co., Phila., Pa. "Liberty" (Automatic)
Reimers Electric Appliance Co., 961 Angelique, North Bergen, N. J.
Robeson-Rochester Corp., Rochester, N. Y. "Royal Rochester"
Rock Island Mfg. Co., Rock Island, Ill. "Rimco"
Rogers Electric Laboratories Co., Cleveland, O.
Rutenber Electric Co., Marion, Ind. "Marion"
Safety Electrical Appliance, Inc., Detroit, Mich. "Grant" (Cordless)
Samson-United Corp., Rochester, N. Y. "Panel-Matic Jr" (Also Toy)
Simplex Div., of Edison Electric Appliance Co., Inc., Chicago, Ill. "De Luxe" (Automatic)
Sterling Mach. & Stamping Co., Wellington, O.
Superior Electric Products Corp., St. Louis, Mo. "Glide Easy," "Super Lectric"
Voss Bros. Mfg. Co., Davenport, Ia.
Waage, A. H., 112 Chambers, New York, N. Y.
Waage Electric Co., Chicago, Ill. "Radio," "Travelers," "Triple Heat"
Westinghouse Electric & Mfg. Co., Mansfield, O. "Automatic," "De Luxe Adjust-O-Matic," "Household," "Master-matic," "Standard Adjust-O-Matic," "Streamline"
White Beauty Electric Co., Inc., "Chicago, Ill. "Handy," "Leader"

IRONS, Sad, Gas

Colebrookdale Iron Co., Boyertown, Pa. "Superior"
Ture Mfg. Co., Milwaukee, Wis.

IRONS, Sad, Gasoline

Akron Lamp Co., Akron, O. "Diamond" (Gasoline or Kerosene)
American Gas Mach. Co., Inc., Albert Lea, Minn. "American"
Coleman Lamp & Stove Co., Wichita, Kan. "Instant-Lite," "Self Heating" (Gasoline Pressure)
Enterprise Tool & Metal Wks., Chicago, Ill.
Gross Star Gas Iron Co., Chicago, Ill.
Imperial Brass Mfg. Co., Chicago, Ill.
National Stamping & Electric Wks., Chicago, Ill. "Comfort," "Nulite"
Royal Self-Heating Iron Co., Big Prairie, O. "Self-Heating"

IRONS, Sad, Plain

Chicago Hdw. Foundry Co., North Chicago, Ill. "Harper"
Colebrookdale Iron Co., Boyertown, Pa. "Common," "Mrs. Potts," "Sensible"
Cumberland Foundry & Mfg. Co., Nashville, Tenn.
Dover Mfg. Co., Dover, O. "Asbestos"
Gray Iron Fdry. Co., Reading, Pa.
Gross Star Gas Iron Co., Chicago, Ill.
King Stove & Range Co., Sheffield, Ala.
Lodge Mfg. Co., South Pittsburgh, Tenn.
Modern Safety Gas Iron Co., Phila., Pa.
Phillips & Buttorff Mfg. Co., Nashville, Tenn.
Southern Skein & Foundry Co., Chattanooga, Tenn. "So. Crescent"
Tures Mfg. Co., Milwaukee, Wis. "Peerless," "Turz-Lite"
Union Mfg. Co., Boyertown, Pa.
Williams (A. C.) Co., Ravenna, O.

IRONS, Sash Cord

Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Sargent & Co., New Haven, Conn.

IRONS, Soldering—See also Coppers, Soldering

IRONS, Soldering, Electric

(See also Coppers, Soldering)

American Electrical Heater Co., Detroit, Mich. "American Beauty"
Beardsley & Wolcott Mfg. Co., Waterville, Conn. "Torrid"
Betsy Ross Electric Products Corp., Johnson City, N. Y.
Brach (L. S.) Mfg. Co., 129 Sussex Av., Newark, N. J.
Dominion Electrical Mfg. Co., Minneapolis, Minn. "Domino"
Dover Mfg. Co., Dover, O.
Drake Electric Wks., Chicago, Ill.
Electrahot Mfg. Co., Minneapolis, Minn.
Electric Soldering Iron Co., Inc., 137 W. 17th, New York, N. Y. "Constant Duty," "Esico Junior," "Esico Midget"
Everhot Mfg. Co., Maywood, Ill.
General Electric Co., Bridgeport, Conn. "Hot Point"
Hexacon Electric Appliance Co., Roselle Park, N. J.
Illinois Stamping & Mfg. Co., Chicago, Ill.
Landers, Frary & Clark, New Britain, Conn. "Universal"
Perry Specialties Co., Peru, Ind.
Post Electric Co., 7 E. 44th, New York, N. Y.
Rock Island Mfg. Co., Rock Island, Ill.
Samson-United Corp., Rochester, N. Y.
Scovill Mfg. Co., Waterbury, Conn.
Simplex Div. of Edison Electric Appliance Co., Inc., Chicago, Ill.
Sta-Warm Elec. Co., Ravenna, O.
Superior Elec. Products Corp., St. Louis, Mo. "Our Junior," "Super Lectric"
Suttle Equipment Co., Inc., Lawrence, Ill. "Soderwand"
Trent (Harold E. Co., Phila., Pa.
Vulcan Electric Heater Corp., 225 Varick, New York, N. Y.
Waage, A. H., 112 Chambers, New York, N. Y.
Watlow Electric Mfg. Co., St. Louis, Mo. "Queen Quality"
White Beauty Electric Co, Inc., Chicago, Ill. "Handy"

IRONS, Trimbale

Arcade Mfg. Co., Freeport, Ill.
Wrightsville Hdw. Co., Wrightsville, Pa.

IRONS, Wafer

Sandvik Saw & Tool Corp., Minneapolis, Minn. "Kornu Kopia Krumb Kake," "Rosette" (Imported)

IRONS, Waffle

Aluminum Cooking Utensil Co., New Kensington, Pa. "Wear-Ever"
Aluminum Goods Mfg. Co., Manitowoc, Wis. "Mirro," "Viko"
Atlanta Stove Wks., Atlanta, Ga.
Birmingham Stove & Range Co., Birmingham, Ala.
Crescent Foundry Co., St. Louis, Mo. "Ozark"
Favorite Stove & Range Co., Piqua, O.
Florence Stove Co., Gardner, Mass.
Gray & Dudley Co., Nashville, Tenn.
Griswold Mfg. Co., Erie, Pa. "American"
Marietta Hollow Ware & Enameling Co., Marietta, Pa.
New England Novelty Wks., Hill, N. H.
Phillips & Buttorff Mfg. Co., Nashville, Tenn.
Reading Hdw. Co., Reading, Pa.
Sandvik Saw & Tool Corp., Minneapolis, Minn. (Imported)
Standard Gas Equipment Corp., 18 E. 41st., New York, N. Y. "Vulcan"
Stover Mfg. & Engine Co., Freeport, Ill.
Stuart & Peterson Co., Burlington, N. J.
Van (John) Range Co., Cincinnati, O.
Wagner Mfg. Co., Sidney, O.
Wrightsville Hdw. Co., Wrightsville, Pa.

IRONS, Waffle, Electric

Aluminum Goods Mfg. Co., Manitowoc, Wis. "Mirro"
American Gas Machine Co., Inc., Albert Lea, Minn.
Armstrong Appliance Corp., Huntington, W. Va.
Beardsley & Wolcott Mfg. Co., Waterbury, Conn. "Torrid"
Bersted Mfg. Co., Chicago, Ill. (Automatic)
Betsy Ross Electric Products Corp., Johnson City, N. Y.
Birtman Electric Co., Chicago, Ill. "Bee Vac"
Chicago Electric Mfg. Co., Chicago, Ill.
Chicago Flexible Shaft Co., Chicago, Ill. "Waffle-witch"
Coleman Lamp & Stove Co., Wichita, Kan. "Aristocrat," "Aztec"
Dominion Electrical Mfg. Co., Minneapolis, Minn. "Domino," "Modern Mode,"
Dowd-Rodgers, Inc., 95 Madison Av., New York, N. Y.
Eagle Electric Mfg. Co., Inc., 59 Hall, B'klyn, N.Y.
Edison (Thos. A.), Inc., Orange, N. J. "Edicraft"
Estate Stove Co., Hamilton, O.
Ev'ryday Electric Co., Marion, Ind.
Fitzgerald Mfg. Co., Torrington, Conn. "Empress," "Star-Rite"
General Electric Co., Bridgeport, Conn. "Hot Point"
General Mfg. Co., Inc., Dayton, O. "Servmor"
Griswold Mfg. Co., Erie, Pa.
Knapp-Monarch Co., Belleville, Ill. "Therm-a-Hot," "Therm-a-Magic"
Landers, Fray & Clark, New Britain, Conn. "Landers," "Universal"
Lindemann (A. J.) & Hoverson Co., Milwaukee, Wis. "L & H Electric"
Manning, Bowman & Co., Meriden, Conn. "M-B"
Metal Ware Corp., Two Rivers, Wis. "Empire"
National Electric Appliance Co., Cleveland, O.
National Stamping & Electric Wks., Chicago, Ill. "White Cross"
Proctor & Schwartz Electric Co., Phila., Pa.
Robeson-Rochester Corp., Rochester, N. Y. "Royal Rochester"
Rogers Electric Laboratories Co., Cleveland, O.
Rutenber Electric Co., Marion, Ind. "Marion"
Samson-United Corp., Rochester, N. Y.
Self-Timer Waffle Iron Co., Chicago, Ill. (Automatic)
Simplex Div. of Edison General Electric Appliance Co., Inc., Chicago, Ill.
Superior Electric Products Corp., St. Louis, Mo. "Super Lectric" (Automatic)

IRONS, Waffle, Electric (Continued)

Swartzbaugh Mfg. Co., Toledo, O. "Everhot," "Waf-fil Baker"
Utility Electric Co., St. Louis, Mo.
Voss Bros. Mfg. Co., Davenport, Ia.
Waage, A. H., 112 Chambers, New York, N. Y.
Waage Electric Co, Chicago, Ill.
Waters-Genter Co., Minneapolis, Minn. "Waffle Master"
Westinghouse Elec. & Mfg. Corp., Mansfield, O.

IRONS, Waffle, Toy

Arcade Mfg. Co., Freeport, Ill.
Stover Mfg. & Engine Co., Freeport, Ill.
Wagner Mfg. Co., Sidney, O.
White Beauty Electric Co., Inc., Chicago, Ill. (Electric)

IRRIGATING PUMPS—See Pumps, Irrigating

IRRIGATING SHOVELS—See Shovels, Irrigating

ISINGLASS

American Glue Co., Boston, Mass.
American Mica Wks., 47 West, New York, N. Y.
Rockport Isinglass Co., Rockport, Mass.

ISOLATED LIGHTING PLANTS—See Lighting Plants, Farm Electric

JACKETS, Fishing—See Jackets, Hunting and Fishing

JACKETS, Hunting and Fishing

Alward-Anderson-Southard Co., Chicago, Ill.
Cleveland Specialty Co., Cleveland, O.
Drybak Corp., Binghamton, N. Y.
Hettrick Mfg. Co., Summit & Magnolia, Toledo, O.
Hirsch-Weis Mfg. Co., Portland, Ore.

JACKETS, Milk Can

Cherry-Burrell Corp., Cedar Rapids, Ia. "B. & W."
Oakes & Burger Co., Cattaraugus, N. Y.

JACK KNIVES—See Knives, Pocket

JACK PLANES—See Planes

JACK SCREWS—See Screws, Jack

JACKS, Automobile

Ajax Auto Parts Co., Racine, Wis.
Auto Specialties Mfg. Co., Saint Joseph, Mich. "Drednaut"
Buckeye Jack Mfg. Co., Alliance, O. "Bus"
Central Brass & Fixture Co., Springfield, O. "Buckeye"
Covert Mfg. Co., Troy, N. Y.
DeWeese (F. M.) Co., Chillicothe, O. "Mosher"
Duff-Norton Mfg. Co., Pittsburgh, Pa. "Barrett"
Elite Mfg. Co., Ashland, O. "Reliable"
Eureka Mower Co., Utica, N. Y.
Flower (Arch T.), Jenkintown, Pa.
Herschel (R.) Mfg. Co., Peoria, Ill.
Joyce-Cridland Co., Dayton, O. "XX Century"
Mann Corp., Kankakee, Ill. "Manco"
Mann (F. W.) Co., Milford, Mass. "Kimball"
Miller, Chas. E., Anderson Rubber Wks., Anderson, Ind.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Millsite Steel & Wire Wks., Howell, Mich. (Ford)
Morgan Mfg. Co., Keene, N. H.
Mueller Engineering Wks., Racine, Wis.
National Jack Co., Cincinnati, O. "Mobilift"
National-Standard Co., Niles, Mich. "Kazoo," "Leader," "Standard"
Norlund Novelty Co., Williamsport, Pa.
Oliver-Barth Jack Co., Milwaukee, Wis. "Barth," "Peerless," "Samson"
Pratt (Wm. E.) Mfg. Co., Chicago, Ill. "Chicago," "Climax," "Little Giant," "Perfect"
Racine Handy Mfg. Co., Racine, Wis. "Handee"
Rowe Calk & Chain Co., Plantsville, Conn. "Hi-Lo"
Shawver Co., Springfield, O. "Springfield"
Schriver (O. P.) Co., Cincinnati, O. "Sure Grip"
Spencer's (I. S.) Sons, Guilford, Conn. "Acme," "Little Giant"
Stanley Wks., New Britain, Conn. (Auto Body Workers)
Swett (A. L.) Iron Works, Medina, N. Y.
Templeton, Kenly & Co., Ltd., Chicago, Ill. "Simplex"
Victor Mach. Wks., St. Louis, Mo. "Mayer"
Walker Mfg. Co., Racine, Wis.
Weaver Mfg. Co., Springfield, Ill.
Whitney (R. S.) Mfg. Co., Lewiston, Me.

JACKS, Hydraulic

Brill (J. G.) Co., Phila., Pa.
Dudgeon (Richard), Inc., Columbia & Broome, New York, N. Y.
Elmes (Chas. F.) Engineering Wks., Chicago, Ill.
Gilson Bolens Mfg. Co., Port Washington, Wis.
Henderer's (A. L.) Sons, East Wilmington, Del.
Hydraulic Tool Wks., Phila., Pa.
Joyce-Cridland Co., Dayton, O.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Pratt (Wm. E.) Mfg. Co., Chicago, Ill.
Rogers Products Co., Inc., 184 Pacific Av., Jersey City, N. J. "Everready"

JACKS, Ladder—See Ladder, Jacks

JACKS, Lathe—See Jacks, Planer

JACKS, Lifting—See Jacks, Automobile

JACKS, Planer

Armstrong Bros. Tool Co., 300 N. Francisco Ave., Chicago, Ill.

JACKS, Pump

Armstrong Bros. Tool Co., Chicago, Ill.
Aermotor Co., Chicago, Illl.
Alamo Iron Works, San Antonio, Tex. "Duplex"
American Scale Co., Kansas City, Mo. "Reliance"
Appleton Mfg. Co., Batavia, Ill.
Associated Manufacturers Co., Waterloo, Ia. "Iowa," "Jack Boy"
Baker Mfg. Co., Evansville, Wis. "Monitor"
Barnes Mfg. Co., Mansfield, O.
Butler Co., Butler, Ind.
Challenge Co., Batavia, Ill.
Crestline Mfg. Co., Crestline, O.
Dempster Mill Mfg. Co., Beatrice, Neb.
Domestic Engine & Pump Co., Shippensburg, Pa. "Ette"
Douglas (W. & B.) Pump Co., Phila., Pa
Duplex Mfg. Co., Station B., Superior, Wis.
Fairbanks, Morse & Co., Chicago, Ill. "Eclipse," "Handy," "Ideal," "Winner"
Flint & Walling Mfg. Co., Kendallville, Ind. "Hoosier"
Gade Bros. Mfg. Co., Iowa Falls, Ia.
Goulds Pumps, Inc., Seneca Falls, N. Y.
Heller-Aller Co., Napoleon, O. "Cracker Jack"
Howell (R. R.) & Co., Minneapolis, Minn. "Little Giant"
Hudson (H. D.) Mfg. Co., Chicago, Ill.
Humphryes Mfg. Co., Mansfield, O.
Independent Harvester Co., Milwaukee, Wis.
International Harvester Co. of America, Chicago, Ill.
Lauson (John) Mfg. Co., New Holstein, Wis.
Mast, Foos & Co., Springfield, O. "Buckeye"
Meadows Mfg. Co., Pontiac, Ill.
Miller (Geo. B.) & Son Co., Waterloo, Ia.
Moore Plow & Implement Co., Greenville, Mich.
Mundie Mfg. Co., Peru, Ill. "Cow Boy"
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O. "Ashland," "Giant," "Junior," "Master," "Self-Lubricating," "Senior," "Simplex," "Universal"
Nelson Bros. Co., Saginaw, Mich. "Jumbo"
Novelty Iron Wks., Sterling, Ill. "Sterling"
Novo Engine Co., Lansing, Mich.
Perkins Corp., Mishawaka, Ind.
Plattner-Yale Mfg. Co., Lincoln, Neb.
Red Jacket Mfg. Co., Davenport, Ia. "Universal"
Reliance Eng'g Co., Lansing, Mich. "Olds"
Root & Van Dervoort Eng'g Co., East Moline, Ill. "R. & V."
Rumsey Pump Co., Seneca Falls, N. Y.
Sandwich Mfg. Co., Sandwich, Ill.
Sheldon Engine & Sales Co., Waterloo, Ia.
Sieverkropp Engine Co., Racine, Wis.
Steiner (M.) & Co., Dayton, O.
Stewart Mfg. Co., Waterloo, Ia. "Better Bilt"
Stover Mfg. & Engine Wks., Freeport, Ill. "Ideal"
Thompson Plow & Engine Wks., Beloit, Wis.
Turner Mfg. Co., Port Washington, Wis.
United Engine Co., Lansing, Mich.
Warner Mfg. Co., Ottawa, Kan.
Waterloo Gasoline Engine Co., Waterloo, Ia.
Waterloo Mfg. Co., Waterloo, Ia.
Wistrand Mfg. Co., Galva, Ill. "Blue Star"
Worthington Pump & Mchy. Corp., 115 B'way, New York, N. Y. "Ingeco"

JACKSTONES

Arcade Mfg. Co., Freeport, Ill.
Grey Iron Casting Co., Mt. Joy, Pa.
Stevens (J. & E.) Co., Cromwell, Conn.

JAM NUTS—See Nuts, Check and Jam

JANITOR BASKETS—See Baskets, Janitor

JAPANNED WARE—See Ware, Japanned

JAPANS—See Varnishes

JAR LIFTERS—See Lifters, Jar

JARDINIERES

Buckeye Pottery Co., Macomb, Ill.
Burley & Winter Pottery Co., Crooksville, O.
Imperial Glass Co., Bellaire, O.
Janusch Mfg. Co., 282 E. 135th, New York, N. Y.
Zane Pottery Co., South Zanesville, O.

JARS, Fruit

Ball Bros., Co., Muncie, Ind. "Ideal," "Perfect Mason," "Special," "Sure Seal"
Boyer (W. W.) & Co., Baltimore, Md.
Eureka Jar Co., Boston, Mass. "Improved," "Victory"
Federal Glass Co., Columbus, O.
Gayner Glass Wks., Salem, N. J.
Hawley Glass Co., Hawley, Pa.
Hazel-Atlas Glass Co., Wheeling, W. Va. "E-Z Seal"
Illinois Pacific Glass Co., San Francisco, Cal.
Kerr Glass Mfg. Corp., San Springs, Okla. "Economy"
Pittsburg Pottery Co., Pittsburg, Kan.
Root Glass Co., Terre Haute, Ind.
Salem Glass Wks., Salem, N. J.
Schram Glass Mfg. Co., St. Louis, Mo.
Scurlock Kontanerette Corp., 332 S. Michigan Av., Chicago, Ill.
United States Glass Co., Pittsburgh, Pa. (Crushed)
Whitall-Tatum Co., Phila., Pa.

JARS, Refrigerator

Scurlock Kontanerette Corp., 332 S. Michigan Av., Chicago, Ill.

JARS, Stoneware—See Ware, Stone

JARS, Vacuum
(See also Bottles, Vacuum)

Aladdin Industries, Inc., Chicago, Ill. "Aladdin Thermalware"
American Thermos Bottle Co., 366 Madison Av., New York, N. Y. "Icy-Hot," "Thermos"
Cannon Oiler Co., Keithsburg, Ill.
General Electric Co., Bridgeport, Conn. "Hot Point"
Hemp & Co., Corp., St. Louis, Mo. "Little Brown Jug"
Knapp-Monarch Co., Belleville, Ill. "Baby Therm-a-Jug," "Blue Ribbon," "Camp Jug," "Food Jug," "Motor Jug," "Outing Jug," "Therm-a-Jar," "Therm-a-Jug," "Tourist Jug"
Landers, Frary & Clark, New Britain, Con. "Stanley," "Universal"
Lisk Mfg. Co., Ltd., Canandaigua, N. Y.
Manning, Bowman & Co., Meriden, Conn.
Royal Mfg. Co., Toledo, O. "Thermic"

JELLY BAGS—See Bags, Jelly

JELLY GLASS TOPS—See Caps, Jelly Glass

JELLY GLASSES—See Tumblers, Jelly

JELLY STRAINERS—See Strainers, Jelly

JELLY TUMBLERS—See Tumblers, Jelly

JERSEYS

Carr (Chas.) Co., Indianapolis, Ind.
Draper-Maynard Co., Plymouth, N. H.
Favorite Knitting Mills, Cleveland, O.
Gantner & Mattern Co., San Francisco, Cal.
General Athletic Products Co., Greenville, O.
Goldsmith's (P.) Sons, Cincinnati, O.
Gopher Knitting Wks., Minneapolis, Minn.
Imperial Knitting Co., Milwaukee, Wis.
Lamb Knit Goods Co., Colon, Mich.
Levin, Wm., 204 Canal, New York, N. Y.
Noon (Edward) & Son, Phila., Pa.
Nusbaum (D.) & Co., Union Course, L. I., N. Y.
Oliver, Albert, Phila., Pa.
Rawling Mfg. Co., St. Louis, Mo.
Reach (A. J.) Wright & Ditson, Inc., Phila., Pa.
Shaker Knitting Mills Co., Chicago, Ill.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stall & Dean Mfg. Co., Chicago, Ill.
Standard Knitting Co., Cleveland, O.
Sunset Knitting Co., San Francisco, Cal.
Wilson-Western Sporting Goods Co., Chicago, Ill.

JEWELERS' VISES—See Vises, Jewelers'

JIG SAWS—See Saws, Jig

JIGS, Doweling

Stanley Wks., New Britain, Conn.

JIMMY-PROOF LOCKS—See Locks, Jimmy-Proof

JOBBERS' DRILL GAGES—See Gages, Drill

JOCK STRAPS—See Straps, Jock

JOCK SUPPORTERS—See Straps, Jock

JOINT HOOKS—See Hooks, Joint

JOINT NUTS—See Nuts, Joint

JOINT RUNNERS—See Runners, Joint

JOINTED DOLLS—See Dolls, Jointed

JOINTERS, Masons'

Crescent Tool Mfg. Co., St. Louis, Mo.
Disston (Henry) & Sons, Inc., (Tacony), Phila, Pa.
Drew (C.) & Co., Kingston, Mass.
Fairmount Tool & Forging Co., Cleveland, O.
Gray Iron Fdry. Co., Inc., Reading, Pa.
Johnson (William), Inc., 36 Brenner, Newark, N. J.
Marshalltown Trowel Co., Marshalltown, Ia.
Masons' Tool Mfg. Co., Rochester, N. Y.
National Tool Co., 86 Walker, New York, N. Y.
Rose (Wm.) & Bros., Sharon Hill, Pa.
Stortz (John) & Son, Phila., Pa.

JOINTERS, Saw

Heston & Anderson, Fairfield, Ia. (Electric Portable)
Kennedy (Ralph M.), Phila., Pa.
Norton Pike Co., Pike, N. H. "Perfect"
Sandvik Saw & Tool Corp., Minneapolis, Minn. "Sandvik" (Imported)
Stearns (E. C.) & Co., Syracuse, N. Y.
Wallace (J. D.) & Co., Chicago, Ill.

JOINTS, Step Ladder

Hess (Chas.) Co., 49-14 Metropolitan Av., B'klyn, N. Y.

JOINTS, Stump, Carriage

Clapp (E. D.) Mfg. Co., Auburn, N. Y.

JOIST ANCHORS—See Anchors, Stone, Wall and Joist

JOIST BORERS—See Borers, Joist

JUGS, Glass

Dunbar Flint Glass Co., Dunbar, W. Va.
Gayner Glass Wks., Inc., Salem, N. J.
Owens-Illinois Glass Co., Toledo, O.
United States Glass Co., Pittsburgh, Pa.
Weston Glass Co., Weston, W. Va.

JUGS, Stone Ware

Buckeye Pottery Co., Macomb, Ill. "Blue Ribbon"
Burley & Winter Pottery Co., Crooksville, O.
Logan Pottery Co., Logan, O.
Pacific Clay Products Co., Los Angeles, Cal.
Pacific Stoneware Co., Portland, Ore.
Paducah Pottery Co., Paducah, Ky.
Pittsburg Pottery Co., Pittsburg, Kan.
Robinson Clay Products Co., Akron, O.
Sherwood Bros. Co., New Brighton, Pa.
United States Stoneware Co., Akron, O.
Western Stoneware Co., Monmouth, Ill.

JUGS, Vacuum—See Bottles, Vacuum; also Jars, Vacuum

JUMPING ROPES—See Ropes, Jumping

JUNIORCYCLES

Johnson's (Iver) Arms & Cycle Works, Fitchburg, Mass.

JUTE TWINE—See Twine, Jute

JUVENILE AUTOMOBILES—See Automobiles, Juvenile

JUVENILE BOOKS—See Books, Children's

JUVENILE GOLF SETS—See Sets, Golf, Children's

JUVENILE SNOW SHOVELS—See Shovels, Snow, Juvenile

JUVENILE VEHICLES—See article desired

KALSOMINE

(See also Paints, Cold Water)

Adams & Elting Co., Chicago, Ill. "Hygenic"
Alabastine Co., Grand Rapids, Mich. "Frescoat"
Bradley & Vrooman Co., Chicago, Ill. "Tinteresco"
Certain-teed Products Corp., 100 E. 42d, New York, N. Y.
Coolidge (F. J.) & Sons, Atlanta, Ga.
Connors (Wm.) Paint Mfg. Co., Troy, N. Y.
Fox (M. Ewing) Co., 240 E. 136th, New York, N. Y. "Calcitine," "Muralite"
Glidden Co., Cleveland, O.
Lucas (John) & Co., Phila., Pa.
Moore (Benj.) & Co., 511 Canal, New York, N. Y.
Muraldo Co., Inc., 570 Richmond Terrace, Staten Island, N. Y.
Oxidite Mfg. Co., Arlington, Mass.
Pittsburgh Plate Glass Co., Milwaukee, Wis. "Kalkomo," "Patton's"
Reardon (The) Co., St. Louis, Mo. "Cresto," "Solarite"
Reliable Paste Co., Chicago, Ill. "Red Top" (Hot Water)
Sherman-Williams Co., Cleveland, O.
Troy Cold Water Kalsomine Co., Troy, N. Y. "Klar's"
U. S. Kalsomine Co., 30 Church, New York, N. Y.
West Coast Kalsomine Co., West Berkeley, Cal. "Wesco"

KALSOMINE BRUSHES—See Brushes, Kalsomine; also Brushes, Paint and Varnish

KAZOOS

Dessart Bros., Inc., 503 Metropolitan Av., B'klyn, N. Y.
Gretsch Mfg. Co., 60 B'way, B'klyn, N. Y.
Kazoo Co., Eden, N. Y.
Kirchhof Patent Co., 60 Union, Newark, N. J.

KEG BUNGS—See Bungs, Barrel

KEROSENE ENGINES—See Engines, Kerosene

KEROSENE FURNACES—See Furnaces and Torches, Gasoline and Kerosene; also under Torches

KEROSENE LAMP BURNERS—See Burners, Lamp, Kerosene

KEROSENE OIL LAMPS—See Lamps, Kerosene Oil

KEROSENE STORAGE SYSTEMS—See Storage Systems, Oil

KEROSENE TANKS—See Tanks, Kerosene, Measuring

KEROSENE TORCHES—See under Furnaces; also under Torches

KEROSENE WATER HEATERS—See Heaters, Water, Kerosene

KETTLE COVERS—See Covers, Cooking Utensil

KETTLE SCRAPERS—See Scrapers, Pot and Kettle

KETTLE STANDS—See Stands, Kettle

KETTLES, Aluminum—See Kettles, Tea, Range and Stove Aluminum

KETTLES, Brass

American Brass Co., Waterbury, Conn.
Everitt Co., Boston, Mass.
Langenkamp (F. H.) Co., Indianapolis, Ind.
National Pipe Bending Co., New Haven, Conn.

KETTLES, Caldron

American Scale Co., Kansas City, Mo.
Butler Co., Butler, Ind.
Dayton-Dowd Co., Quincy, Ill.
Donaldson Bros., Mt. Clemens, Mich.
Ferguson Mfg. Co., Dubuque, Ia.
Gehl Bros. Mfg. Co., West Bend, Wis.
Jones Hollow Ware Co., Baltimore, Md.
Moore Plow & Implement Co., Greenville, Mich.
Rippley Mfg. Co., Grafton, Ill.
Sperry (D. R.) & Co., Batavia, Ill.
Swift Mfg. Co., Waterloo, Ia.
Waterloo Mfg. Co., Waterloo, Ia.

KETTLES, Cast Iron

Atlanta Stove Wks., Atlanta, Ga.
Crescent Foundry Co., St. Louis, Mo. "Ozark"
Golden's Foundry & Mach. Co., Columbus, Ga.
Gray & Dudley Co., Nashville, Tenn.
Griswold Mfg. Co., Erie, Pa.
Jones Hollow Ware Co., Balitimore, Md.
Kilpatrick (A.) & Sons Foundry Co., St. Louis, Mo.
Phillips & Buttorff Mfg. Co., Nashville, Tenn.
Sowers Mfg. Co., Buffalo, N. Y.
Townsend Foundry & Machine Shop, Albany, N. Y.
United States Cast Iron Pipe & Foundry Co., Burlington, N. J.
Vollrath Co., Sheboygan, Wis. "New Idea"

KETTLES, Copper

Atlas Copper & Brass Mfg. Co., Chicago, Ill.
Badger (E. B.) & Sons Co., Boston, Mass.
Bucyrus Copper Kettle Wks., Bucyrus, O.
Harris (Arthur) & Co., Chicago, Ill.
Krenz (Oscar) Copper & Brass Wks., San Francisco, Cal.
Mosheik (P.) & Son, Chicago, Ill.
National Pipe Bending Co., New Haven, Conn.
Picking (D.) & Co., Bucyrus, O.
Randolph-Clowes Co., Waterbury, Conn.
Reed Mfg. Co., Newark, N. J.
Revere Copper & Brass Inc., 230 Park Av., New York, N. Y.
Savage Bros. Co., Chicago, Ill.

KETTLES, Enameled Ware—See Kettles, Tea, Range and Stove, Enameled Ware

KETTLES, Preserving

Revere Copper & Brass Wks., 230 Park Av., New York, N. Y.
United States Stamping Co., Moundsville, W. Va.

KETTLES, Range—See Kettles, Tea, Range and Stove

KETTLES, Stove—See Kettles, Tea, Range and Stove

KETTLES, Tea, Electric

General Electric Co., Bridgeport, Conn. "Hot Point"
Landers, Frary & Clark, New Britain, Conn. "Universal"
Manning-Bowman & Co., Meriden, Conn.
West Bend Aluminum Co., West Bend, Wis. "De Luxe"

KETTLES, Tea, Range and Stove, Aluminum, Copper, Etc.

Aluminum Cooking Utensil Co., New Kensington, Pa.
Aluminum Goods Mfg. Co., Manitowoc, Wis. "Mirro," "Viko"
Aluminum Products Co., La Grange, Ill. "Lifetime"
American Aluminum Mfg. Co., Lamont, Ill. "American Maid"
Atlantic Stamping Co., Rochester, N. Y.
Bremer Aluminum Corp., Chicago, Ill. "Dr. Koch"
Buckeye Aluminum Co., Wooster, O. "Real Solid"
Fargo Aluminum Co., Taunton, Mass.
Griswold Mfg. Co., Erie, Pa.
Health-Maid, Inc., Cleveland, O.
Illinois Pure Aluminum Co., Lemont, Ill. "American Maid"
Kewaskum Aluminum Co., Kewaskum, Wis.
Landers, Frary & Clark, New Britain, Conn.
Laurelton Fdry. Co., Laurelton, Pa.
Leyse Aluminum Co., Kewanee, Wis. "Priscilla"
Lisk Mfg. Co., Ltd., Canandaigua, N. Y.
Metal Ware Corp., Two Rivers, Wis. "Pilgrim Ware"
Revere Copper & Brass Inc., 230 Park Av., New York, N. Y.
Robeson-Rochester Corp., Rochester, N. Y. "Royal Rochester"
U. S. Stamping Co., Moundsville, W. Va.
Wagner Mfg. Co., Sidney, O.
West Bend Aluminum Co., West Bend, Wis.
Western Metal Spinning Wks., Chicago, Ill.

KETTLES, Tea, Range and Stove, Enameled Ware

Atlanta Stove Wks., Atlanta, Ga.
Bellaire Enamel Co., Bellaire, O. "Beco"
Columbian Enameling & Stamping So., Terre Haute, Ind.
Federal Enameling & Stamping Co., McKees Rocks, Pa. "Old Holland"
Geuder, Paeschke & Frey Co., Milwaukee, Wis.
Lalance & Grosjean Mfg. Co., Woodhaven, L. I., N. Y.
Lisk Mfg. Co., Ltd., Canandaigua, N. Y.
National Enameling & Stamping Co., Milwaukee, Wis.
National Pressure Cooker Co., Eau Claire, Wis.
Vollrath Co., Sheyboygan, Wis.
West Bend Aluminum Co., West Bend, Wis.

KETTLES, Toy—See Sets, Cooking, Toy

KEY CABINETS—See Cabinets, Key

KEY CASES—See Cases, Key

KEY CHAINS—See Chains, Key

KEY CUTTING MACHINES—See Machines, Key Cutting

KEYHOLE GUARDS—See Guards, Keyhole

KEYHOLE SAWS—See Saws, Keyhole; also Saw, Compass

KEY PLATES—See Plates, Key

KEY RINGS—See Rings, Key

KEY SEAT RULES—See Rules, Key Seat

KEYS and COTTERS—See Cotters and Keys

KEYS, Blank

Barrows Lock Works of Yale & Towne Mfg. Co., Lockport, Ill.
Bohannan (Wilson) Co., Marion, O. "Well Bilt"
Clinton Lock Co., Clinton, Ia.
Corbin Cabinet Lock Co., New Britain, Conn.
Corbin, P. & F., New Britain, Conn.
Eagle Lock Co., Terryville, Conn.
Fraim (E. T.) Lock Co., Lancaster, Pa.
Graham Mfg. Co., Derby, Conn.
Independent Lock Co., Fitchburg, Mass. "Ilco" (Combination Bottle Opener)
Keil (Francis) & Son, 401 E. 163d, New York, N. Y.
Lockwood Mfg. Co., Fitchburg, Mass.
Norwalk Lock So., 12 Warren, New York, N. Y.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sager Lock Works of Yale & Towne Mfg. Co., North Chicago, Ill.
Sargent & Co., New Haven, Conn.
Sargent & Greenleaf, Inc., Rochester, N. Y.
Segal Lock & Hdw. Co., Inc., 12 Warren, New York, N. Y.
Yale & Towne Mfg. Co., Stamford, Conn.

KEYS, Skate, Ice and Roller

Boston Pressed Metal Co., Worcester, Mass.
Chicago Roller Skate Co., Chicago, Ill.
Corbin Cabinet Lock Co., New Britain, Conn.
Independent Lock Co., Fitchburg, Mass. "Ilco"
Kees (F. D.) Mfg. Co., Beatrice, Neb.

KICK PLATES—See Plates, Kick

KICKERS, Cow, Anti-

Dairy Equipment Co., Topeka, Kan.
Hall Mfg. Co., Cedar Rapids, Ia.
Imperial Bit & Snap Co., Racine, Wis. "Reichert's No-Kick Hobble"
Keller (E. L.), Buckeystown, Md.
Simonsen Iron Wks., Sioux City, Ia. "So Boss"

KID BODY DOLLS—See Dolls, Kid Body

KILLERS, Weed, Chemical

American Steel & Wire Co., 208 S. LaSalle, Chicago, Ill.
Chicago Weed Killer Co., Chicago, Ill. "Dan-D-Lion Killer Kemical," "Killer Kane"
Chipman Chemical Eng'g Co., Bound Brook, N. J. "Atlacide," "Atlas"
Dolge (C. B) Co., Westport, Conn.
Grasselli Chemical Co., Cleveland, O. (Calcium Arsenate)
Hammond Paint & Chemical Co., Beacon, N. Y.
Harrison Mfg. Co., Rahway, N. J. "Squiers"
Marion Craftsman Tool Co., Marion, Ind. "Magic"
Midway Chemical Co., Chicago, Ill.
Reade Mfg. Co., Hoboken, N. J. "Herbicide"
Standard Chemical Works, Inc., Reading, Pa.
Wilson (Andrew), Inc., Springfield, N. J.

KINDERGARTEN GOODS

American Crayon Co., Sandusky, O.
Anchor-Post Fence Co., Baltimore, Md. (Sand Boxes)
Bradley (Milton) Co., Springfield, Mass.
Carrom Co., Ludington, Mich.
Embossing Co., Albany, N. Y.
Hamilton Mfg. Co., Two Rivers, Wis.
Ideal School Supply Co., Chicago, Ill.
Parker Bros., Salem, Mass.
Phillips Co., 354 4th Av., New York, N. Y.
Readsboro Chair Co., Readsboro, Vt.
School Specialty Co., Worcester, Mass.
Toledo Metal Furniture Co., Toledo, O.

KING BOLTS—See Bolts, King

KITCHEN ACCESSORIES—See Cooking Accessories and Tools

KITCHEN CABINETS—See Cabinets, Kitchen

KITCHEN CABINETS, Toy—See Cabinets, Kitchen, Toy

KITCHEN CANISTER SETS—See Sets, Canister, Kitchen

KITCHEN CLOCKS—See Clocks, Kitchen

KITCHEN CUTLERY SETS—See Sets, Cutlery, Kitchen

KITCHEN FORKS—See Forks, Culinary, Kitchen, Etc.

KITCHEN GRINDSTONES—See Stones, Grind, Household

KITCHEN KNIVES—See Knives, Kitchen

KITCHEN MIRRORS—See Mirrors, Kitchen

KITCHEN PAILS—See Pails, Garbage

KITCHEN SAND STONES—See Stones, Grind

KITCHEN SAWS—See Saws, Kitchen

KITCHEN SINK RACKS—See Racks, Sink

KITCHEN SINKS—See Sinks, Kitchen

KITCHEN STEAM TABLES—See Tables, Steam

KITCHEN STOOLS—See Stools, Kitchen

KITCHEN SUPPLIES—See Supplies, Kitchen; also articles desired

KITCHEN TABLES—See Tables, Kitchen

KITCHEN TOOLS

A. & J. Kitchen Tool Co., Chicago, Ill. "Blutip"
Acme Metal Goods Mfg. Co., 2 Orange, Newark, N. J.
American Motor Products Co., 451 Greenwich, New York, N. Y. "3 in 1 Handy"
Boye Needle Co., Chicago, Ill. (Stainless and Nickel Plated)
Hilgers (J.) & Co., Binghamton, N. Y. "Protexit" (Clamping Device)
Pom, Lake Shore Blvd. & Lloyd Rd., Cleveland, O. (Cooking Tongs)
Samson-United Corp., Rochester, N. Y. (Stainless)
Vaughan Novelty Mfg. Co., Chicago, Ill. "No Chip"
Zenith Products Co., Cleveland, O. "Two in One" (Egg Separator)

KITCHEN UTENSILS—See under Ware; also article desired

KITCHEN WARE—See Ware, Earthen, Kitchen

KITE TWINE—See Twine, Kite

KITES

Acme Toy Mfg. Co., Cleveland, O.
Ayling (J. C.) Co., Springfield, Ill. "Jolly Boy"
Hi Flier Mfg. Co., Decatur, Ill.
Wanner (George D.) & Co., Dayton, O.
Wilder Mfg. Co., St. Louis, Mo.

KITS, Branding

Vulcan Electric Heater Corp., 225 Varick, New York, N. Y.

KITS, Camping—See Outfits, Camping; also article desired

KITS, Radio, Aerial—See Radio Aerial Kits

KITS, Soldering

Vulcan Electric Heater Corp., 225 Varick, New York, N. Y.

KITS, Tackle

Chubb (T. H.) Rod Co., Post Mills, Vt.
Heddon's (Jas. & Sons, Dowagiac, Mich. "Lone Eagle"
Kennedy Mfg. Co., Van Wert, O.
Knickerbocker Case Co., Chicago, Ill. "Knickerbocker," "Knickerbocker, Jr."
Quinn (Larry) & Co., Milwaukee,, Wis.

KITS, Tire Repair

Bowes "Seal-Fast" Corp., Indianapolis, Ind.
Burrows Mfg. Co., Spokane, Wash.
General Tire & Rubber Co., Akron, O.
Giant Tire & Rubber Co., Findlay, O. "Cooper"
Goodrich (B. F.) Rubber Co., Akron, O.
Goodyear Tire & Rubber Co., Akron, O.
Holfast Rubber Co., Atlanta, Ga.
International Metal Polish Co., Indianapolis, Ind. "Blue Ribbon"
Michelin Tire Co., Milltown, N. J.
Miller Rubber Co., Inc., Akron, O. "Handy Andy," "Shur-Tite"
Nichols (David) Co., Kingston, Ga. "Tigar"
Norwalk Tire & Rubber Co., Norfolk, Conn.
Page-Lester Co., Chicago, Ill. "Tite-Wad"
Perma-Loc Mfg. Co., Wilkes-Barre, Pa.
Permatite Mfg. Co., Minneapolis, Minn. "E-Fec-Tiv"
Racine Rubber Co., Racine, Wis.
St. Louis Rubber Cement Co., Inc., St. Louis, Mo. "Red X"
Spreckles-Savage Tire Co., San Diego, Cal.
Stevens Walden, Inc., Worcester, Mass. "Sampson"
Swanson Supply Co., Seattle, Wash. "Mastic"
Van Cleef Bros., Chicago, Ill. "Dutch"

KITS, Tool

Barcalo Mfg. Co., 225 Louisiana, Buffalo, N. Y.
Billings & Spencer Co., Hartford, Conn.
Bonney Forge & Tool Wks., Allentown, Pa.
Bridgeport Hdw. Mfg. Corp., Bridgeport, Conn.
Chicago Tool & Kit Mfg. Co., Chicago, Ill. "C. T. K."
Cream City Tool & Mfg. Co., Milwaukee, Wis. "Peerless" (Ignition)
Damascus Steel Products Corp., Rockford, Ill. "Dasco" (Chisels and Punches)
Dikeman Mfg. Co., Norwalk, Conn.
Fairmount Tool & Forging Co., Cleveland, O.
Imperial Tool & Mfg. Co., Chicago, Ill.
Keystone Mfg. Co., Buffalo, N. Y. "Soc-Kits"
Klein (Mathias) & Sons, 3200 Belmont Av., Chicago, Ill.
Marcy Tool Wks., Putnam, Conn.
Marion Craftsman Tool Co., Marion, Ind.
Mayhew Steel Products, Inc., Shelburne Falls, Mass.
Michigan Motor Specialties Co., Detroit, Mich. "Becco"
Milburn (Alexander) Co., Baltimore, Md.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Niehoff (C. E.) & Co., Chicago, Ill. (Wrench Kits)
Southington Mfg. Co., Southington, Conn. "Pioneer"
Special Hdw. Corp., Medford, N. Y.
Stanley Wks., New Britain, Conn.
Starrett (L S.) Co., Athol, Mass.
Syracuse Wrench Co., Syracuse, N. Y.
Vichek Tool Co., 3006 E. 87th, Cleveland, O.
Whitaker Mfg. Co., Chicago, Ill. "National," "Pomo," "Sterling"

KNAPSACK SPRAYERS—See Sprayers, Knapsack

KNIFE CASES—See Cases, Knife

KNIFE GAGES, DRAW—See Gages, Draw Knife

KNIFE GRINDERS—See Grinders, Knife

KNIFE SHARPENERS—See Sharpeners, Knife

KNIFE SHARPENING STEELS—See Steels, Knife Sharpening

KNIFE SHEATHS—See Sheaths, Knife

KNIFE TRAYS—See Trays, Knife

KNIVES, Advertising

Landers, Frary & Clark, New Britain, Conn.
Remington Arms Co., Inc., Bridgeport, Conn.

KNIVES, Asparagus

Goodell Co., Antrim, N. H.
Johnson (William), Inc., 36 Brenner, Newark, N.J.
Village Blacksmith Folks, Watertown, Wis.

KNIVES, Banana

American Stainless Knife Co., Chicago, Ill.
Chatillon (John) & Sons, 85 Cliff, New York, N.Y.
Clyde Cutlery Co., Clyde, O.
Goodell Co., Antrim, N. H.
Harrington Cutlery Co., Southbridge, Mass. "Dexter"
Hart (H. C.) Mfg. Co., Unionville, Conn.
Hyde Mfg. Co., Southbridge, Mass. "Diamond," "I. P. Hyde," "Southbridge," "T. Harrington"
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass. "Anchor"
Landers, Frary & Clark, New Britain, Conn. "Universal"
Mechanics Tool & Wrench Co., Greenfield, Mass. "Nichols Bros."
Murphy's (Robert) Sons Co., Ayer, Mass. "Stay Sharp"
Parker Wire Goods Co., Worcester, Mass.
Parkhurst, L. D., Danielson, Conn.
Remington Arms Co., Inc., Bridgeport, Conn.
Russell (John) Cutlery Wks., Turners Falls, Mass.
Stortz (John) & Son., Phila., Pa.
Tuck Mfg. Co., Brockton, Mass.

KNIVES, Bandage and Plaster

Murphy's (Robert) Sons Co., Ayer, Mass. "Stay Sharp"

KNIVES, Beet

Clyde Cutlery Co., Clyde, O.
Ontario Knife Co., Franklinville, N. Y. "Never-Stain," "Tru-Edge"
Village Blacksmith Folks, Watertown, Wis.

KNIVES, Bread

A. & J. Kitchen Tool Co., Chicago, Ill. "Blutip"
American Stainless Knife Co., Chicago, Ill. "Climax," "Optimo," "Victor"
Atlas-Ansonia Co., New Haven, Conn. "Sanford"
Bosworth (E. J.) Specialty Co., Rochester, N. Y.
Buffalo Knife Co., Buffalo, N. Y.
Burns Mfg. Co., Syracuse, N. Y. (Serrated Edge")
Chatillon (John) & Sons, 85 Cliff, New York, N.Y. "Foster Bros."
Clyde Cutlery Co., Clyde, O.
Geneva Cutlery, Inc., Geneva, N. Y. "Crumbles," "Genco," "Lindsay"
Goodell Co., Antrim, N. H.
Harrington Cutlery Co., Southbridge, Mass. "Dexter"
Henckels (J. A.), Inc., 456 4th Av., New York,
Hollinger Cutlery Co., Fremont, O.
N. Y. "Twin Brand," "Welkut"
Hyde Mfg. Co., Southbridge, Mass. "Hyco," "Southbridge," "T. Harrington"
Kinfolks, Inc., Little Valley, N. Y.
Knickerbocker Mfg. Co., Belleville, N. J.
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass. "Anchor," "Krumbless Kutter"
Landers, Frary & Clark, New Britain, Conn. "Universal"
Mechanics Tool & Wrench Co., Greenfield, Mass. "Nichols Bros."
Old File Cutlery Co., Havana, Ill.
Ontario Knife Co., Franklinville, N. Y. "Never-Stain," "Tru-Edge"
Parker Wire Goods Co., Worcester, Mass.
Pease, E. S., Naylor Bldg., Buffalo, N. Y.
Remington Arms Co., Inc., Bridgeport, Conn. "Kleanblade" (Toothededge)
Russell (John) Cutlery Co., Turners Falls, Mass.
Samson-United Corp., Rochester, N. Y. (Stainless)
Savory, Inc., 591 Ferry, Newark, N. J.
Tuck Mfg. Co., Brockton, Mass.
United Royalties Corp., 1133 B'way, New York, N. Y. "Ladd"
Vaughan Novelty Mfg. Co., Chicago, Ill.
Village Blacksmith Folks, Watertown, Wis.
Wallace Bros., Wallingford, Conn.
Washburn Company, Worcester, Mass.

KNIVES, Butchers'

American Stainless Knife Co., Chicago, Ill. "Hirsch's"
Boker (H.) & Co., 101 Duane, New York, N. Y. "Wilson"
Buffalo Knife Co., Buffalo, N. Y.
Case (W. R.) & Sons Cutlery Co., Bradford, Pa.
Cattaraugus Cutlery Co., Little Valley, N. Y. "Seneca"
Chatillon (John) & Sons, 85 Cliff, New York, N.Y. "Foster Bros."
Clauss Shear Co., Fremont, O.
Clyde Cutlery Co., Clyde, O.
Damascus Steel Products Corp., Rockford, Ill. "Dasco"
Geneva Cutlery, Inc., Geneva, N. Y. "Genco"
Goodell Co., Antrim, N. H.
Harrington Cutlery Co., Southbridge, Mass. "Dexter"
Henckels (J. A.), Inc., 456 4th Av., New York, N. Y. "Twin Brand," "Welkut"
Hollinger Cutlery Co., Fremont, O.
Hyde Mfg. Co., Southbridge, Mass. "I. P. Hyde," "Southbridge," "T. Harrington"
Kinfolks, Inc., Little Valley, N. Y.
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass. "Anchor"
Landers, Frary & Clark, New Britain, Conn. "Anvil," "Universal"
Mechanics Tool & Wrench Co., Greenfield, Mass. "Nichols Bros."
Old File Cutlery Co., Havana, Ill.
Ontario Knife Co., Franklinville, N. Y. "Never-Stain," "Tru-Edge"
Poughkeepsie Cutlery Works, Poughkeepsie, N. Y.
Remington Arms Co., Inc., Bridgeport, Conn. "Kleanblade"
Robeson Rochester Corp., Rochester, N. Y.
Russell (John) Cutlery Co., Turners Falls, Mass.
Samson-United Corp., Rochester, N. Y.
Savory, Inc., 591 Ferry, Newark, N. J.
Sta-Brite Products Corp., New Haven, Conn.
Union Cutlery Co., Inc., Olean, N. Y.
United States Cutlery Co., 2 Main, Belleville, N. J.
Utica Cutlery Co., Utica, N. Y.
Village Blacksmith Folks, Watertown, Wis.
Voos Co., Inc., New Haven, Conn.
Wade & Butcher Corp., 190 Baldwin Av., Jersey City, N. J.

KNIVES, Butchers' (Continued)

Walden Knife Co., Walden, N. Y.
Wallace Bros., Wallingford, Conn.
Washburn Company, Worcester, Mass.
Western States Cutlery & Mfg. Co., Boulder, Colo.
White (L. & I. J.) Co., Div. of the Simonds-Worden-White Co., Dayton, O.
Winchester Repeating Arms Co., New Haven, Conn.

KNIVES, Butter

Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass. "Anchor"
Landers, Frary & Clark, New Britain, Conn. "Universal"

KNIVES, Cane, Etc.

Atkins (E. C.) & Co., Indianapolis, Ind.
Collins Co., Collinsville, Conn. "Legitimus"
Disston (Henry) & Sons, Inc., (Tacony), Phila., Pa.
Harrington Cutlery Co., Southbridge, Mass. "Dexter"
Ohlen-Bishop Co., Columbus, O.
Simonds Saw & Steel Co., Fitchburg, Mass.

KNIVES, Carving
(See also Sets, Carving)

American Stainless Knife Co., Chicago, Ill.
Buffalo Knife Co., Buffalo, N. Y.
Cattaraugus Cutlery Co., Little Valley, N. Y.
Chatillon (John) & Sons, 85 Cliff, New York, N.Y. "Foster Bros."
Clauss Shear Co., Fremont, O.
Clyde Cutlery Co., Clyde, O.
Crescent Mfg. Co., Fremont, O.
Goodell Co., Antrim, N. H.
Harrington Cutlery Co., Southbridge, Mass. "Dexter"
Henckels (J. A.), Inc., 456 4th Av., New York, N. Y. "Twin Brand," "Welkut"
Hyde Mfg. Co., Southbridge, Mass. "Hyco," "Southbridge," "T. Harrington"
Knickerbocker Mfg. Co., Belleville, N. J.
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass. "Anchor"
Landers, Frary & Clark, New Britain, Conn. "Anvil," "Universal"
Mechanics Tool & Wrench Co., Greenfield, Mass. "Nichols Bros."
Northampton Cutlery Co., Northampton, Mass.
Old File Cutlery Co., Havana, Ill.
Ontario Knife Co., Franklinville, N. Y. "Never-Stain," "Tru-Edge"
Parker Wire Goods Co., Worcester, Mass.
Pease, E. S., Buffalo, N. Y.
Remington Arms Co., Inc., Bridgeport, Conn. "Kleanblade"
Russell (John) Cutlery Co., Turners Falls, Mass.
Shelton Cutlery Co., Shelton, Conn.
Silver Plate Cutlery Co., Derby, Conn.
Sta-Brite Products Corp., New Haven, Conn.
Village Blacksmith Folks, Watertown, Wis.
Wade & Butcher Corp., 190 Baldwin Av., Jersey City, N. J.
Wallace (R.) & Sons Mfg. Co., Wallingford, Conn.
Wostenholm (Geo.) & Son, 258 B'way, New York, N. Y. "I. X. L."

KNIVES, Cheese

American Stainless Knife Co., Chicago, Ill.
Chatillon (John) & Son, 85 Cliff, New York, N.Y. "Foster Bros."
Clyde Cutlery Co., Clyde, O.
Harrington Cutlery Co., Southbridge, Mass. "Dexter" (Stainless)
Herschel (R.) Mfg. Co., Peoria, Ill.
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass. "Anchor"
Landers, Frary & Clark, New Britain, Conn. "Universal"
Mechanics Tool & Wrench Co., Greenfield, Mass. "Nichols Bros."
Ontario Knife Co., Franklinville, N. Y. "Tru-Edge"
Russell (John) Cutlery Co., Turners Falls, Mass.
Winchester Repeating Arms Co., New Haven, Conn.

KNIVES, Chopping

Chatillon (John) & Sons, 85 Cliff, New York, N.Y. "Foster Bros."
Chopette Mfg. Co., Inc., Rochester, N. Y.
Dover Stamping & Mfg. Co., Cambridge, Mass.
Richard (Stephen) Co., Southbridge, Mass.
Sommer (J. L.) Mfg. Co., 251 N. J. Railroad Av., Newark, N. J.
Thayer Mfg. Co., Williamsburg, Mass.
United Royalties Corp., 1133 B'way, New York, N. Y. "Saturn"
Village Blacksmith Folks, Watertown, Wis.
Voos Co., New Haven, Conn.
Washburn Company, Worcester, Mass.

KNIVES, Cigar

American Stainless Knife Co., Chicago, Ill.
Clyde Cutlery Co., Clyde, O.
Goodell Co., Antrim, N. H.
Harrington Cutlery Co., Southbridge, Mass. "Dexter"
Hyde Mfg. Co., Southbridge, Mass. "Diamond," "Hyco," "I. P. Hyde," "Southbridge," "T. Harrington"
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass. "Anchor"
Landers, Frary & Clark, New Britain, Conn. "Universal"
Lothrop (H. A.) & Co., Sharon, Mass. "J. Sanger"
Murphy's (Robert) Sons Co., Ayer, Mass. "Stay Sharp"
Ontario Knife Co., Franklinville, N. Y. "Tru-Edge"
Parker Wire Goods Co., Worcester, Mass.
Russell (John) Cutlery Co., Turners Falls, Mass.
Tuck Mfg. Co., Brockton, Mass.

KNIVES, Clam—See Knives, Oyster and Clam

KNIVES, Cobblers'—See Knives, Shoe

KNIVES, Cook

American Stainless Knife Co., Chicago, Ill.
Chatillon (John) & Son, 85 Cliff, New York, N.Y. "Foster Bros."
Clyde Cutlery Co., Clyde, O.
Henckels (J. A.), Inc., 456 4th Av., New York, N. Y. "Twin Brands"
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass. "Anchor"
Landers, Frary & Clark, New Britain, Conn. "Universal"
Ontario Knife Co., Franklinville, N. Y. "Never-Stain," "Tru-Edge"
Remington Arms Co., Inc., Bridgeport, Conn. "Kleanblade"

KNIVES, Corn
(See also Hooks, Corn)

American Fork & Hoe Co., Cleveland, O. "True Temper"
Atkins (E. C.) & Co., Indianapolis, Ind.
Clyde Cutlery Co., Clyde, O.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Goodell Co., Antrim, N. H.
Harrington Cutlery Co., Southbridge, Mass.
Hyde Mfg. Co., Southbridge, Mass. "Southbridge," "T. Harrington"
Keller (E. L.), Buckeystown, Md.
Kiernan (W. C.) & Co., Whitewater, Wis.
North Wayne Tool Co., Oakland, Me. "Black Diamond," "Cumberland," "Field King," "Kornkrop," "Little Giant," "Nowatco"
Ohlen-Bishop Co., Columbus, O.
Old File Cutlery Co., Havana, Ill.
Ontario Knife Co., Franklinville, N. Y. "Never-Stain," "Tru-Edge"
Remington Arms Co., Inc., Bridgeport, Conn.
Russell (John) Cutlery Wks., Turners Falls, Mass.
Utica Cutlery Co., Utica, N. Y.
Village Blacksmith Folks, Watertown, Wis.
Wadsworth (David) & Son, Box 610, Auburn, N.Y.
Winsted Mfg. Co., Inc., Winsted, Conn. "Clipper"

KNIVES, Dehorner—See Dehorners

KNIVES, Drawing

Buck Bros., Millbury, Mass.
Damascus Steel Products Corp., Rockford, Ill. "Dasco"
Greenlee Tool Co., Rockford, Ill.
Hyde Mfg. Co., Southbridge, Mass. "Southbridge," "T. Harrington"
Mack Tool Co., Inc., Rochester, N. Y. "D. R. Barton"
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Smith (Seymour) & Son, Inc., Oakville, Conn.
Swan (Jas.) Co., Seymour, Conn.
Village Blacksmith Folks, Watertown, Wis.
White (L. & I. J.) Co., Div. of the Simonds-Worden-White Co., Dayton, O.
Winsted Edge Tool Wks., Winsted, Conn. "Witherby"

KNIVES, Electricians'

Cattaraugus Cutlery Co., Little Valley, N. Y.
Divine (Dwight) & Sons, Inc., Ellenville, N. Y. "Ulster"
Imperial Knife Co., Inc., Providence, R. I.
Remington Arms Co., Inc., Bridgeport, Conn.
Schrade Cutlery Co., Walden, N. Y. "Everlastingly Sharp"
Union Cutlery Co., Olean, N. Y.
Utica Cutlery Co., Utica, N. Y.

KNIVES, Ensilage

American Knife Co., Baldwinsville, N. Y.
Anderson Knife & Bar Co., Anderson, Ind.
Hardy (L.) Co., Worcester, Mass.

KNIVES, Farriers'

Champion DeArment Tool Co., Meadville, Pa.
Heller Bros. Co., 879 Mt. Prospect Av., Newark, N. J.
Pope (T. J.) Est., Sauquoit, N. Y.
Wostenholm (Geo.) & Son, 258 B'way, New York, N. Y. "I. X. L."

KNIVES, Fish

American Stainless Knife Co., Chicago, Ill.
Chatillon (John) & Sons, 85 Cliff, New York, N. Y. "Foster Bros."
Clyde Cutlery Co., Clyde, O.
Damascus Steel Products Corp., Rockford, Ill. "Dasco"
Hollinger Cutlery Co., Fremont, O.
Hyde Mfg. Co., Southbridge, Mass. "Diamond," "Southbridge," "T. Harrington"
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass. "Anchor"
Landers, Frary & Clark, New Britain, Conn. "Universal"
Marble Arms & Mfg. Co., Gladstone, Mich.
Mechanics Tool & Wrench Co., Greenfield, Mass. "Nichols Bros."
Murphy's (Robert) Sons Co., Ayer, Mass. "Stay Sharp"
Ontario Knife Co., Franklinville, N. Y. "Never-Stain," "Tru-Edge"
Remington Arms Co., Inc., Bridgeport, Conn. (Stainless)
Russell (John) Cutlery Co., Turners Falls, Mass.
Schrade, George, Bridgeport, Conn.
Shakespeare Co., Kalamazoo, Mich.
Utica Cutlery Co., Utica, N. Y.
Village Blacksmith Folks, Watertown, Wis.
Winchester Repeating Arms Co., New Haven, Conn.

KNIVES, Fruit

American Silver Co., Bristol, Conn.
Chase & Co., Jacksonville, Fla. "Sunniland"
Chatillon (John) & Sons, 85 Cliff, New York, N. Y. "Foster Bros."
Continental Mfg. Co., 37 W. 23rd, New York, N. Y.
Goodell Co., Antrim, N. H.
Harrington Cutlery Co., Southbridge, Mass.
Hart (H. C.) Mfg. Co., Unionville, Conn.
Henckels (J. A.), Inc., 456 4th Av., New York, N. Y. "Twin Brand," "Welkut"
Hyde Mfg. Co., Southbridge, Mass. "Diamond," "Southbridge," "T. Harrington"
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass. "Anchor"
Landers, Frary & Clark, New Britain, Conn. "Universal"
Northampton Cutlery Co., Northampton, Mass.
Ontario Knife Co., Franklinville, N. Y. "Never-Stain," "Tru-Edge"
Parker Wire Goods Co., Worcester, Mass. (Stainless)
Pease, E. S., Buffalo, N. Y. "Al-Glas" (Glass)
Remington Arms Co., Inc., Bridgeport, Conn. "Klean Blade"
Stortz (John) & Son, Phila., Pa.
Village Blacksmith Folks, Watertown, Wis. (Stainless)
Voos Co., Inc., New Haven, Conn.
Winchester Repeating Arms Co., New Haven, Conn.

KNIVES, Glass

Pease, E. S., Buffalo, N. Y. "Al-Glas"

KNIVES, Grapefruit

A. & J. Kitchen Tool Co., Chicago, Ill. "Blutip"
Buffalo Knife Co., Buffalo, N. Y.
Burns Mfg. Co., Syracuse, N. Y. (Serrated Edge)
Chase & Co., Jacksonville, Fla. "Sunniland"
Chatillon (John) & Sons, 85 Cliff, New York, N. Y.
Clyde Cutlery Co., Clyde, O.
Goodell Co., Antrim, N. H.
Harrington Cutlery Co., Southbridge, Mass. "Dexter"
Henckels (J. A.), Inc., 456 4th Av., New York, N. Y. "Twin Brand," "Welkut"
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass. "Anchor"
Landers, Frary & Clark, New Britain, Conn. "Universal"
Murphy's (Robert) Sons Co., Ayer, Mass. "Stay Brite," "Temperite"
Ontario Knife Co., Franklinville, N. Y. "Never-Stain," "Tru-Edge"
Parker Wire Goods Co., Worcester, Mass. (Stainless)
Remington Arms Co., Inc., Bridgeport, Conn. "Klean Blade"
Royal Mfg. Co., Phila., Pa.
Russell (John) Cutlery Wks., Turners Falls, Mass.
Samson-United Corp., Rochester, N. Y.

KNIVES, Hacking

Hyde Mfg. Co., Southbridge, Mass.
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass. "Anchor"
Landers, Frary & Clark, New Britain, Conn. "Universal

KNIVES, Hay

American Fork & Hoe Co., Cleveland, O. "True Temper"
C-K-R Company, Cleveland, O. "Canton"
Ely Mfg. Co., Girard, Pa.
Erie City Mfg. Co., Erie, Pa. "Arrow"
Herschel (R.) Mfg. Co., Peoria, Ill.
Iwan Bros., South Bend, Ind. "Heath Pattern, "Sickle Edge"
Ney Mfg. Co., Canton, O. "American," "Scalloped Edge"
North Wayne Tool Co., Oakland, Me. "Blizzard," "Lightning," "Little Giant"
Wadsworth (David) & Son, Box 610, Auburn, N. Y. "Weymouth"

KNIVES, Hedge

Atkins (E. C.) & Co., Indianapolis, Ind.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa. "Champion"
Evansville Tool Wks., Inc., Evansville, Ind. "E. T. W."
Ohlen-Bishop Co., Columbus, O.
Old File Cutlery Co.., Havana, Ill.
Village Blacksmith Folks, Watertown, Wis.

KNIVES, Heel—See Knives, Shoe

KNIVES, Hunting

American Stainless Knife Co., Chicago, Ill.
Buffalo Knife Co., Buffalo, N. Y.
Cattaraugus Cutlery Co., Little Valley, N. Y.
Chubb (T. H.) Rod Co., Post Mills, Vt.
Clyde Cutlery Co., Clyde, O.
Divine (Dwight) & Sons, Inc., Ellenville, N. Y. "Ulster"
Estwing Mfg. Co., Rockford, Ill.
Goodell Co., Antrim, N. H.
Harrington Cutlery Co., Southbridge, Mass.
Henckels (J. A.), Inc., 456 4th Av., New York, N. Y. "Tin Brand," "Welkut"
Hyde Mfg. Co., Southbridge, Mass. "Southbridge," "T. Harrington"
Imperial Knife Co., Inc., Providence, R. I.
Kinfolks, Inc., Little Valley, N. Y.
Lamson & Goodnow Mfg. Co., Shelburn Falls, Mass. "Anchor"
Landers, Frary & Clark, New Britain, Conn. "Universal"
Marble Arms & Mfg. Co., Gladstone, Mich.
Mechanics Tool & Wrench Co., Greenfield, Mass. "Nichols Bros."
Northfield Knife Co., Northfield, Conn.
Ontario Knife Co., Franklinville, N. Y. "Never-Stain," "Tru-Edge"
Parker Wire Goods Co., Worcester, Mass.
Polhemus (L. E.) Co., Miami, Ariz. "Pal," "Polly" (Comb. Knife & Pistol)
Poughkeepsie Cutlery Wks., Poughkeepsie, N. Y.
Racicot-Richard Cutlery Co., Webster, Mass.
Remington Arms Co., Inc., Bridgeport, Conn. (Also Official Boy & Girl Scout)
Russell (John) Cutlery Co., Turners Falls, Mass.
Sandvik Saw & Tool Corp., Minneapolis, Minn. (Imported)
Schrade Cutlery Co., Walden, N. Y. "Everlastingly Sharp"
Schrade, George, Bridgeport, Conn.
Union Cutlery Co., Olean, N. Y.
Village Blacksmith Folks, Watertown, Wis.
Wade & Butcher Corp., 190 Baldwin Av., Jersey City, N. J.
Wilkinson Shear & Cutlery Co., Reading, Pa.
Winchester Repeating Arms Co., New Haven, Conn.

KNIVES, Jack—See Knives, Pocket

KNIVES, Kitchen, Paring, Etc.

A. & J. Kitchen Tool Co., Chicago, Ill.
American Knife Co., Winsted, Conn.
American Stainless Knife Co., Chicago, Ill.
Buffalo Knife Co., Buffalo, N. Y.
Burns Mfg. Co., Syracuse, N. Y.
Camillus Cutlery Co., Camillus, N. Y.
Cattaraugus Cutlery Co., Little Valley, N. Y. "Seneca"
Chatillon (John) & Sons, 85 Cliff, New York, N. Y. "Foster Bros."
Clauss Shear Co., Fremont, O.
Clyde Cutlery Co., Clyde, O.
Damascus Steel Products Corp., Rockford, Ill. "Dasco"
Divine (Dwight) & Sons, Inc., Ellenville, N. Y. "Ulster"
Gayle (Geo. W.) & Son, Frankfort, Ky.
Geneva Cutlery, Inc., Geneva, N. Y. "Genco" (Stainless)
Goodell Co., Antrim, N. H.
Harrington Cutlery Co., Southbridge, Mass. "Dexter," "Echo"
Hart (H. C.) Mfg. Co., Unionville, Conn.
Henckels (J. A.), Inc., 456 4th Av., New York, N. Y. "Twin Brand"
Hollinger Cutlery Co., Fremont, O.
Hyde Mfg. Co., Southbridge, Mass. "Hyco," "Southbridge," "T. Harrington"
Kinfolks, Inc., Little Valley, N. Y.
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass. "Anchor"
Landers, Frary & Clark, New Britain, Conn. "Universal"
Mechanics Tool & Wrench Co., Greenfield, Mass.
Metal Goods Corp., St. Louis, Mo. (Corer Combination)
Murphy's (Robert) Sons Co., Ayer, Mass. "Stay Brite," "Stay Sharp," "Temperite"
Old File Cutlery Co., Havana, Ill.
Ontario Knife Co., Franklinville, N. Y. "Never-Stain," "Tru-Edge" (Stainless)
Parker Wire Goods Co., Worcester, Mass. (Stainless)
Pease, E. S., Naylor Bldg., Buffalo, N. Y.
Remington Arms Co., Inc., Bridgeport, Conn. "Kleanblade"
Robeson-Rochester Corp., Rochester, N. Y.
Royal Mfg. Co., Phila., Pa.
Russell (John) Cutlery Co., Turners Falls, Mass.
Samson-United Corp., Rochester, N. Y.
Schrade Cutlery Co., Walden, N. Y. "Everlastingly Sharp"
Shelton Cutlery Co., Shelton, Conn.
Sommer (J. L.) Mfg. Co., 251 New Jersey Railroad Av., Newark, N. J. "Razkut" (Razor Blade)
Starr (A. B.) Co., 39 Union Sq., New York, N. Y. "Sta-Keen"
Tuck Mfg. Co., Brockton, Mass. "Usanhang"
Union Cutlery Co., Inc., Olean, N. Y.
United States Cutlery Co., 2 Main, Belleville, N. J.
Utica Cutlery Co., Utica, N. Y.
Village Blacksmith Folks, Watertown, Wis.
Voos Co., Inc., New Haven, Conn.
Walden Knife Co., Walden, N. Y.
Wallace Bros., Wallingford, Conn.
Washburn Company, Worcester, Mass.
Wohr (Chas. A.) Co., Lancaster, Pa. "Always-Sharp"
Wostenholm (Geo.) & Son, Ltd., 258 Broadway, New York, N. Y.

KNIVES, Lamb

Evansville Tool Wks., Inc., Evansville, Ind. "E. T. W."
Utica Cutlery Co., Utica, N. Y.

KNIVES, Linemen's—See Knives, Electricians'

KNIVES, Linoleum—See Knives, Oil Cloth

KNIVES, Lip—See Knives, Shoe

KNIVES, Machine

Atkins (E. C.) & Co., Indianapolis, Ind.
California Saw Wks., San Francisco, Cal.
Disston (Henry) & Sons, Inc., (Tacony) Phila., Pa.
Griffiths (Albert) Saw Co., Boston, Mass.
Huther Bros. Saw Mfg. Co., Inc., Rochester, N. Y.
Hyde Mfg. Co., Southbridge, Mass. "Southbridge," "T. Harrington"
Mack Tool Co., Inc., East Rochester, N. Y. "D. R. Barton"
Ohlen-Bishop Co., Columbus, O.
Oram (John S.) Co., Cincinnati, O.
Sandvik Saw & Tool Corp., Minneapolis, Minn. (Imported)
Simonds Saw & Steel Co., Fitchburg, Mass. "Red Streak"
Simons (A. A.) & Son Co., Dayton, O.
White (L. & I. J.) Co., Division of the Simonds-Worden-White Co., Dayton, O.

KNIVES, Manual Training

Chattanooga Saw Wks., Chattanooga, Tenn.
Harrington Cutlery Co., Southbridge, Mass.
Hyde Mfg. Co., Southbridge, Mass. "Hyco," "Southbridge," "T. Harrington"
Landers, Frary & Clark, New Britain, Conn.
Murphy's (Robert) Sons Co., Ayer, Mass. "Stay Sharp"
Osborne (C. S.) & Co., Box 183, Newark, N. J.
Remington Arms Co., Inc., Bridgeport, Conn.
Russell (John) Cutlery Co., Turners Falls, Mass.
Sandvik Saw & Tool Corp., Minneapolis, Minn. (Imported)
Tuck Mfg. Co., Brockton, Mass.

KNIVES, Mill

Parker Wire Goods Co., Worcester, Mass.

KNIVES, Mincing

A. & J. Kitchen Tool Co., Chicago, Ill. "Blutip"
Acme Metal Goods Mfg. Co., 2 Orange, Newark, N. J.
Arcade Mfg. Co., Freeport, Ill.
C-K-R Company, Cleveland, O.
Corwin Mfg. Co., 103 Monroe, Newark, N. J.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Forsyth Metal Goods Co., Inc., East Aurora, N. Y.
Grey Iron Casting Co., Mt. Joy, Pa.
Henkel-Clauss Co., Fremont, O.
Knickerbocker Mfg. Co., Belleville, N. J.
Ohlen-Bishop Co., Columbus, O.
Osborne (C. S.) & Co., Box 183, Newark, N. J.
P. M. C. Mfg. Corp., Kingston, N. Y.
Samson-United Corp., Rochester, N. Y.
Sommer (J. L.) Mfg. Co., 251 New Jersey Railroad Av., Newark, N. J.
Stover Mfg. & Engine Co., Freeport, Ill.
Udell Wks., Indianapolis, Ind. "Clauss"
Uneek Utilities Corp., Chicago, Ill. "Tearless"
United States Lock & Hdw. Co., Columbia, Pa.
United Wire Goods Mfg. Co., 420 E. 106th, New York, N. Y.
Vaughan Novelty Mfg. Co., Chicago, Ill.
Voos Co., Inc., New Haven, Conn. "Double Action," "Lightning" (Stainless)
Washburn Company, Worcester, Mass.

KNIVES, Novelty—See Knives, Pocket, Advertising

KNIVES, Office

Camillus Cutlery Co., Camillus, N. Y.
Divine (Dwight) & Sons, Inc., Ellenville, N. Y. "Ulster"
Imperial Knife Co., Inc., Providence, R. I.
Ross (Jos.) & Co., Irvington, N. J.
Thomaston Knife Co., Thomaston, Conn.
Utica Cutlery Co., Utica, N. Y.
Voos Co., Inc., New Haven, Conn.

KNIVES, Oil Cloth

Atkins (E. C.) & Co., Indianapolis, Ind.
Cattaraugus Cutlery Co., Little Valley, N. Y.
Clyde Cutlery Co., Clyde, O.
Harrington Cutlery Co., Southbridge, Mass. "Dexter"
Hyde Mfg. Co., Southbridge, Mass. "Diamond," "Hyco," "Southbridge," "T. Harrington"
Lamson & Goodnow Mfg. Co., Shelburn Falls, Mass.
Landers, Frary & Clark, New Britain, Conn. "Universal"
Murphy's (Robert) Sons Co., Ayer, Mass. "Stay Sharp"
Ontario Knife Co., Franklinville, N. Y. "Tru-Edge"
Osborne (C. S.) & Co., Box 183, Newark, N. J.
Parker Wire Goods Co., Worcester, Mass. "Deta"
Remington Arms Co., Inc., Bridgeport, Conn.
Russell (John) Cutlery Wks., Turners Falls, Mass.
Tuck Mfg. Co., Brockton, Mass.
Utica Cutlery Co., Utica, N. Y.
Village Blacksmith Folks, Watertown, Wis.
Winchester Repeating Arms Co., New Haven, Con.

KNIVES, Orange—See Knives, Fruit; also Knives, Grape Fruit

KNIVES, Oyster and Clam

Briddell, Chas. D., Crisfield, Md.
Carver Tool Wks., Spring Valley, N. Y.
Chatillon (John) & Sons, 85 Cliff, New York, N. Y. "Foster Bros."
Clyde Cutlery Co., Clyde, O.
Harrington Cutlery Co., Southbridge, Mass. "Dexter"
Hyde Mfg. Co., Southbridge, Mass. "Southbridge," "T. Harrington"
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass. "Anchor"
Landers, Frary & Clark, New Britain, Conn. "Universal"
Mechanics Tool & Wrench Co., Greenfield, Mass. "Nichols Bros."
Murphy's (Robert) Sons Co., Ayer, Mass. "New Haven," "Providence," "Stay Sharp," "Temperite"
Ontario Knife Co., Franklinville, N. Y. "Never-Stain," "Tru-Edge"
Osborne (C. S.) & Co., Box 183, Newark, N. J.
Parker Wire Goods Co., Worcester, Mass.
Russell (John) Cutlery Co., Turners Falls, Mass.
Stortz (John) & Son, Phila., Pa.
Tuck Mfg. Co., Brockton, Mass.

KNIVES, Paper Hangers'

American Stainless Knife Co., Chicago, Ill.
Clyde Cutlery Co., Clyde, O.
Hyde Mfg. Co., Southbridge, Mass. "Diamond," "I. P. Hyde," "Southbridge," "T. Harrington"
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass. "Anchor"
Landers, Frary & Clark, New Britain, Conn. "Universal"
Mechanics Tool & Wrench Co., Greenfield, Mass.
Murphy's (Robert) Sons Co., Ayer, Mass. "Stay Sharp"
Osborne (C. S.) & Co., Box 183, Newark, N. J.
Parker Wire Goods Co., Worcester, Mass.
Ridgely Trimmer Co., Springfield, O.
Russell (John) Cutlery Wks., Turners Falls, Mass.
Stortz (John) & Son, Phila., Pa.
Tuck Mfg. Co., Brockton, Mass.
United States Cutlery Co., Belleville, N. J.
Winchester Repeating Arms Co., New Haven, Conn.

KNIVES, Paring—See Knives, Kitchen, Paring, Etc.

KNIVES, Plaster—See Knives, Bandage and Plaster

KNIVES, Pocket

American Knife Co., Winsted, Conn.
Boker (H.) & Co., 101 Duane, New York, N. Y. "Tree Brand"
Camillus Cutlery Co., Camillus, N. Y.
Case (W. B.) & Sons Cutlery Co., Bradford, Pa.
Cattaraugus Cutlery Co., Little Valley, N. Y. "Whitt-L-Kraft"
Clauss Shear Co., Fremont, O.
Divine (Dwight) & Sons, Inc., Ellenville, N. Y. "Ulster"
Gits Bros. Mfg. Co., Chicago, Ill. "Gitsnife"
Henckels (J. A.), Inc., 456 4th Av., New York, N. Y. "Twin Brand," "Welkut"
Hollinger Cutlery Co., Fremont, O.
Imperial Knife Co., Inc., Providence, R. I.
Landers, Frary & Clark, New Britain, Conn. "Universal"
Lackawanna Cutlery Co., Nicholson, Pa.
New York Knife Co., 261 W. 62nd, New York, N. Y. "Hammer Brand"
Remington Arms Co., Inc., Bridgeport, Conn. (also Official Boy & Girl Scout)
Robeson-Rochester, Rochester, N. Y.
Russell (John) Cutlery Co., Turners Falls, Mass.
Salm Mfg. Co., Torrance, Cal.
Schatt & Morgan Cutlery Co., Titusville, Pa.
Schrade Cutlery Co., Walden, N. Y. "Everlastingly Sharp"
Schrade, George, Bridgeport, Conn. "Presto"
Stainless Cutlery Co., Inc., Camillus, N. Y.
Utica Cutlery Co., Utica, N. Y. "Featherweight"
Western States Cutlery & Mfg. Co., Boulder, Colo.
Winchester Repeating Arms Co., New Haven, Conn.
Wostenholm (Geo.) & Sons, 258 B'way, New York, N. Y. "I. X. L."

KNIVES, Pocket, Advertising

Divine (Dwight) & Sons, Inc., Ellenville, N. Y. "Ulster"
Imperial Knife Co., Inc., Providence, R. I.
Schrade Cutlery Co., Walden, N. Y. "Everlastingly Sharp"
Utica Cutlery Co., Utica, N. Y.

KNIVES, Pocket, Push Button

Schrade Cutlery Co., Walden, N. Y. "Everlastingly Sharp"
Schrade, George, Bridgeport, Conn.

KNIVES, Pruning

Camillus Cutlery Co., Camillus, N. Y.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Divine (Dwight & Sons, Inc., Ellenville, N. Y. "Ulster"
Henckels (J. A.) Inc., 456 4th Av., New York, N. Y. "Twin Brand," "Welkut"
Hyde Mfg. Co., Southbridge, Mass. "Southbridge," "T. Harrington"
Landers, Frary & Clark, New Britain, Conn. "Universal"
Remington Arms Co., Inc., Bridgeport, Conn.
Russell (John) Cutlery Co., Turners Falls, Mass.
Schrade, George, Bridgeport, Conn.
Union Cutlery Co., Olean, N. Y.
Utica Cutlery Co., Utica, N. Y.
Valley Forge Cutlery Co., 28 S. 6th, Newark, N. J.

KNIVES, Putty

American Stainless Knife Co., Chicago, Ill.
Atlas-Ansonia Co., New Haven, Conn. "Sanford"
Blair Tool & Machine Corp., College Point, N. Y.
Bridgeport Hdw. Mfg. Corp., Bridgeport, Conn. "Bridgeport"
Buffalo Knife Co., Buffalo, N. Y.
Cattaraugus Cutlery Co., Little Valley, N. Y.
Chatillon (John) & Sons, 85 Cliff, New York, N. Y.
Clyde Cutlery Co., Clyde, O.
Consolidated Tool Wks., 509 Madison Av., New York, N. Y. "Pilot"
Ennis Mfg. Co., Reading, Pa.
Fletcher, Terry Co., Forestville, Conn.
Goodell Co., Antrim, N. H.
Harrington Cutlery Co., Southbridge, Mass. "Dexter"
Hood Bros., Oxford St., Phila., Pa.
Hyde Mfg. Co., Southbridge, Mass. "Southbridge," "T. Harrington"
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass. "Anchor"
Landers, Frary & Clark, New Britain, Conn. "Universal"
Mechanics Tool & Wrench Co., Greenfield, Mass. "Nichols Bros."
Murphy's (Robert) Sons Co., Ayer, Mass. "Temperite"
Murray-Block Co., Springfield, O. "Tufsteel"
Ontario Knife Co., Franklinville, N. Y. "Never-Stain," "Tru-Edge"
Parker Wire Goods Co., Worcester, Mass.
Plymouth Stamped Metal Co., Galion, O.
Remington Arms Co., Inc., Bridgeport, Conn.
Ridgely Trimmer Co., Springfield, O. "Ridgelite"
Rodale Mfg. Co., Inc., Emaus, Pa. (Rubber Handle)
Russell (John) Cutlery Co., Turners Falls, Mass.
Smith (Landon P.), Inc., Irvington, N. J. "Red Devil"
Southington Hdw. Co., Southington, Conn.
Stanley Wks., New Britain, Conn.
United States Cutlery Co., 2 Main, Belleville, N. J.
Village Blacksmith Folks, Watertown, Wis.
Washburn Company, Worcester, Mass.
Winchester Repeating Arms Co., New Haven, Conn.

KNIVES, Razor Blade

Gillette Safety Razor Co., Boston, Mass.
Ingersoll (Robert H.) Inc., 45 Lispenard, New York, N. Y. "Pal"
Pedersen (J.) Mfg. Co., Bridgeport, Conn. "Wipe Scraper"
Voos Co., Inc., New Haven, Conn. "Moon'

KNIVES, Roofers'

Murphy's (Robert) Sons Co., Ayer, Mass. "Stay Sharp"
Parker Wire Goods Co., Worcester, Mass.
Remington Arms Co., Inc., Bridgeport, Conn.

KNIVES, Rubber

American Stainless Knife Co., Chicago, Ill.
Glogau & Co., Great Lakes Bldg., Chicago, Ill.
Harrington Cutlery Co., Southbridge, Mass. "Dexter"
Hyde Mfg. Co., Southbridge, Mass. "I. P. Hyde," "Southbridge," "T. Harrington"
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass. "Anchor"
Landers, Frary & Clark, New Britain, Conn.
Mechanics Tool & Wrench Co., Greenfield, Mass.
Murphy's (Robert) Sons Co., Ayer, Mass. "Stay Sharp"
Ohlen-Bishop Co., Columbus, O.
Ontario Knife Co., Franklinville, N. Y. "Tru-Edge"
Parker Wire Goods Co., Worcester, Mass. "Richard's Brand"
Parkhurst, L. D., Danielson, Conn.
Simonds (A. A.) & Son Co., Dayton, O.
Tuck Mfg. Co., Brockton, Mass.

KNIVES, Saw

Atkins (E. C.) & Co., Indianapolis, Ind.
Ohlen-Bishop Co., Columbus, O.

KNIVES, Scallop—See Knives, Oyster and Clam

KNIVES, Scout—See Knives, Hunting

KNIVES, Scraping

Atlas-Ansonia Co., New Haven, Conn.
Clyde Cutlery Co., Clyde, O.
Goodell Co., Antrim, N. H.
Hyde Mfg. Co., Southbridge, Mass. "Southbridge," "T. Harrington"
Parker Wire Goods Co., Worcester, Mass.
Remington Arms Co., Inc., Bridgeport, Conn.
Ridgely Trimmer Co., Springfield, O.

KNIVES, Shoe

American Stainless Knife Co., Chicago, Ill.
Bailey (G. W.) Co., Brockton, Mass.
Buffalo Knife Co., Buffalo, N. Y.
Christensen (H. M.) Co., Brockton, Mass.
Clyde Cutlery Co., Clyde, O.
Goodell Co., Antrim, N. H.
Harrington Cutlery Co., Southbridge, Mass. "Dexter"
Hyde Mfg. Co., Southbridge, Mass. "Southbridge," "T. Harrington"
Landers, Frary & Clark, New Britain, Conn. "Universal"
Lothrop (H. A.) & Co., Sharon, Mass. "J. Ames," "J. Sanger"
Murphy's (Robert) Sons Co., Ayer, Mass. "Stay Sharp"
Ontario Knife Co., Franklinville, N. Y. "Never-Stain," "Tru-Edge"
Osborne (C. S.) & Co., Box 183, Newark, N. J.
Parker Wire Goods Co., Worcester, Mass. "Ideal," "Richards Brand"
Richard (Stephen) Co., Southbridge, Mass. "S. R."
Russell (John) Cutlery Wks., Turners Falls, Mass.
Sandvik Saw & Tool Corp., Minneapolis, Minn. (Imported)
Snell & Atherton, Brockton, Mass.
Standard Shoe Mchy. Co., Lawrence, Mass.
Tuck Mfg. Co., Brockton, Mass. "Black Diamond," "S. V. Tuck." "T. M. Co."
United Shoe Mchy. Co., Boston, Mass.
White (Ira F.) & Son Co., Bloomfield, N. J.
Winchester Repeating Arms Co., New Haven, Conn.

KNIVES, Skinning

Chatillon (John) & Sons, 85 Cliff, New York, N.Y. "Foster Bros."
Clyde Cutlery Co., Clyde, O.
Damascus Steel Products Corp., Rockford, Ill. "Dasco"
Goodell Co., Antrim, N. H.
Harrington Cutlery Co., Southbridge, Mass. "Dexter"
Hyde Mfg. Co., Southbridge, Mass. "Southbridge," "T. Harrington"
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass. "Anchor"
Landers, Frary & Clark, New Britain, Conn. "Universal"
Marble Arms & Mfg. Co., Gladstone, Mich.
Mechanics Tool & Wrench Co., Greenfield, Mass. "Nichols Bros."
Murphy's (Robert) Sons Co., Ayer, Mass. "Stay Sharp"
Northampton Cutlery Co., Northampton, Mass.
Old File Cutlery Co., Havana, Ill.
Ontario Knife Co., Franklinville, N. Y. "Never-Stain." "Tru-Edge"
Remington Arms Co., Inc., Bridgeport, Conn.
Russell (John) Cutlery Co., Turners Falls, Mass.
Utica Cutlery Co., Utica, N. Y.
Village Blacksmith Folks, Watertown, Wis.
Winchester Repeating Arms Co., New Haven, Conn.

KNIVES, Skiving—See Knives, Tanners'

KNIVES, Sloyd—See Knives, Manual Training

KNIVES, Stainless

American Stainless Knife Co., Chicago, Ill. "Everbrite" (Also Knives & Forks Sets)
American Silver Co., Bristol, Conn. "World Brand"
Buffalo Knife Co., Buffalo, N. Y.
Burns Bros. Co., Syracuse, N. Y.
Camillus Cutlery Co., Camillus, N. Y. (Pocket)
Chatillon (John) & Sons, 85 Cliff, New York, N.Y. "Foster Bros."
Clyde Cutlery Co., Clyde, O.
Firth-Sterling Steel Co., McKeesport, Pa.
Geneva Cutlery, Inc., Geneva, N. Y. "Genco"
Hart (H. C.) Mfg. Co., Unionville, Conn.
Harrington Cutlery Co., Southbridge, Mass. "Dexter"
International Silver Co., Meriden, Conn.
Landers, Frary & Clark, New Britain, Conn. "Universal"
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass. "Anchor," "Exemplar"
Murphy's (Robert) Sons Co., Ayer, Mass. "Stay-Brite," "Temperite"
Northampton Cutlery Co., Northampton, Mass.
Oneida Community, Ltd., Oneida, N. Y. "De Luxe"
Ontario Knife Co., Franklinville, N. Y. "Never-Stain," "Tru-Edge"
Parker Wire Goods Co., Worcester, Mass.
Remington Arms Co., Inc., Bridgeport, Conn. "Kleanblade"
Robeson Rochester Corp., Rochester, N. Y.
Rogers (S. L. & G. H.) Co., Hartford, Conn. (Table)
Rogers, Lunt & Bowlen Co., Greenfield, Mass.
Russell (John) Cutlery Wks., Turners Falls, Mass.
Samson-United Corp., Rochester, N. Y.
Schrade Cutlery Co., Walden, N. Y. "Everlastingly Sharp"
Shelton Cutlery Co., Shelton, Conn.
Sta-Brite Products Corp., New Haven, Conn.
United States Cutlery Co., 2 Main, Belleville, N. J.
Utica Cutlery Co., Utica, N. Y.
Village Blacksmith Folks, Watertown, Wis.
Voos Co., Inc., New Haven, Conn. (Pocket)
Wade & Butcher Corp., 190 Baldwin Av., Jersey City, N. J.
Wallace Bros., Wallingford, Conn.
Winchester Repeating Arms Co., New Haven, Conn.
Wostenholm (Geo.) & Son, 258 B'way, New York, N. Y.

KNIVES, Steak

A. & J. Kitchen Tool Co., Chicago, Ill. "Blutip"
Buffalo Knife Co., Buffalo, N. Y.
Chatillon (John) & Sons, 85 Cliff, New York, N.Y. "Foster Bros."
Clyde Cutlery Co., Clyde, O.
Damascus Steel Products Corp., Rockford, Ill. "Dasco"
Goodell Co., Antrim, N. H.
Harrington Cutlery Co., Southbridge, Mass. "Dexter"
Hyde Mfg. Co., Southbridge, Mass. "Southbridge," "T. Harrington"
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass. "Anchor"
Landers, Frary & Clark, New Britain, Conn. "Universal" (Scimiters)
Mechanics Tool & Wrench Co., Greenfield, Mass. "Nichols Bros"
Old File Cutlery Co., Havana, Ill.
Ontario Knife Co., Franklinville, N. Y. "Never-Stain," "Tru-Edge"
Remington Arms Co., Inc., Bridgeport, Conn. "Kleanblade" (Scimiter)
Russell (John) Cutlery Wks., Turners Falls, Mass.
Sta-Brite Products Corp., New Haven, Conn. (Stainless)
Village Blacksmith Folks, Watertown, Wis.

KNIVES, Stencil—See Knives, Manual Training

KNIVES, Stencil and Block

Murphy's (Robert) Sons Co., Ayer, Mass. "Stay Sharp"

KNIVES, Sticking

Landers, Frary & Clark, New Britain, Conn. "Universal" (Chicken)
Ontario Knife Co., Franklinville, N. Y. "Tru-Edge"
Remington Arms Co., Inc., Bridgeport, Conn. (Chicken and Turkey)

KNIVES and FORKS, Table—See Ware, Table

KNIVES, Table—See Ware, Table, Flat

KNIVES, Tanners'

Murphy's (Robert) Sons Co., Ayer, Mass. "Stay Sharp"
Parker Wire Goods Co., Worcester, Mass.

KNIVES, Thread—See Knives, Shoe

KNIVES, Tinned—See Ware, Table, Tinned

KNOB SPINDLES—See Spindles, Knob

KNOBS, Brass—See Knobs, Door, Brass

KNOBS, Bronze—See Knobs, Door, Brass and Bronze

KNOBS, China—See Buttons, Handles and Knobs, China

KNOBS, Cover, Cooking Utensil

Acme Metal Goods Mfg. Co., 2 Orange, Newark, N. J.
Clark (J. L.) Mfg. Co., Rockford, Ill.
Collette Mfg. Co., Amsterdam, N. Y.
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Hall & Carpenter, Phila., Pa.
Parker Wire Goods Co., Worcester, Mass. "Indestructible"
Stuber & Kuck Co., Peoria, Ill.
Technical Glass Co., Inc., 2050 E. 48th, Los Angeles, Cal. "Tegco"
Washburn Company, Worcester, Mass.

KNOBS, Door—See also Latches; also Locks

KNOBS, Door, Brass and Bronze

American Ring Co., Dept. W., Waterbury, Conn.
Artistic Bronze Co., Bridgeport, Conn.
Attwood Brass Wks., Grand Rapids, Mich.
Barrows Lock Works of Yale & Towne Mfg. Co., Lockport, Ill.
Bassick Co., Bridgeport, Conn.
Corbin, P. & F., New Britain, Conn.
Detroit Hdw. Mfg. Co., Detroit, Mich.
Fiwale Equipment Mfg. Co., Inc., 64 Reade, New York, N. Y.
Garden City Plating & Mfg. Co., Chicago, Ill.
Goldhill Hdw. Mfg. Co., Los Angeles, Cal.
Independent Lock Co., Fitchburg, Mass. "Ilco"
Kersten Co., Inc., Chicago, Ill.
Lockwood Mfg. Co., Fitchburg, Mass.
Midwest Hardware Co., Chicago, Ill.
Molding Corp. of America, Providence, R. I.
National Brass Co., Grand Rapids, Mich.
National Lock Co., 12 Warren, New York, N. Y.
Pacific Hdw. Mfg. Co., Los Angeles, Cal.
Payson Mfg. Co., Chicago, Ill.
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Reliable Mfg. Co., New Haven, Conn.
Russell & Erwin Mfg. Co., New Britain, Conn. "Russwin"
Sager Lock Works of Yale & Towne Mfg. Co., North Chicago, Ill.
Sargent & Co., New Haven, Conn.
Schlangen Mfg. Co., Chicago, Ill.
Schroder (J. B.) Co., Cincinnati, O.
Service Mfg. Co., Inc., Chicago, Ill.
Shelby Spring Hinge Co., Shelby, O.
Skillman Hdw. Mfg. Co., Trenton, N. J.
Slaymaker Lock Co., Lancaster, Pa.
Yale & Towne Mfg. Co., Stamford, Conn.

KNOBS, Door and Drawer, Glass

American Ring Co., Dept. W., Waterbury, Conn.
Artistic Bronze Co., Bridgeport, Conn.
Bache (Semon) & Co., 636 Greenwich, New York, N. Y.
Barrows Lock Works of Yale & Towne Mfg. Co., Lockport, Ill.
Bassick Co., Bridgeport, Conn.
Brainerd Mfg. Co., East Rochester, N. Y.
Brock Glass Co., Ltd., Santa Ana, Cal.
Chantrell Hdw. & Tool Co., Reading, Pa.
Chesler (J.) & Sons Co., 41 Varick Av., B'klyn, N. Y.
Clinton Lock Co., Clinton, Ia.
Corbin, P. & F., New Britain, Conn.
Earle Hdw. Mfg. Co., Reading, Pa.
Hartford Glass Products Co., Hartford City, Ind. "Glasknob"
Independent Lock Co., Fitchburg, Mass. "Ilco"
Kersten Co., Inc., Chicago, Ill.
Lockwood Mfg. Co., Fitchburg, Mass.
National Brass Co., Grand Rapids, Mich. "Dexter," "Essential"
New York Brass Turning Co., 568 B'way, New York, N. Y. "Brassturn"
Norwalk Lock Co., 12 Warren, New York, N. Y.
Penn Hdw. Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn. "Russwin"
Sager Lock Works of Yale & Towne Mfg. Co., North Chicago, Ill.
Sargent & Co., New Haven, Conn.
Technical Glass Co., Inc., 2050 E. 48th, Los Angeles, Cal. "Tegco"
Tein (John) Co., Boston, Mass.
Tru-Lite Mfg. Co., Bradford, Pa.
Vineland Flint Glass Wks., Vineland, N. J.
Yale & Towne Mfg. Co., Stamford, Conn.

KNOBS, Door, Stove

American Enamel Co., Providence, R. I.
Fanner Mfg. Co., Brookside Park, Cleveland, O. "Arctic"
New York Nickel Plating & Mfg. Co., 327 E. 63d, New York, N. Y.
Rowe (Henry) Mfg. Co., Newaygo, Mich.
Stover Mfg. & Engine Co., Freeport, Ill. "Ideal"
Technical Glass Co., Inc., 2050 E. 48th, Los Angeles, Cal. "Tegco"

KNOBS, Drawer, Glass—See Knobs, Door and Drawer, Glass

KNOBS, Furniture

Acme Metal Goods Mfg. Co., 2 Orange, Newark, N. J.
Allen, Chas. I., Terryville, Conn.
Bassick Co., Bridgeport, Conn.
Beardsley & Wolcott Mfg. Co., Waterville, Conn.
Bogert & Hopper, 223 Varick, New York, N. Y.
Brainerd Mfg. Co., East Rochester, N. Y.
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Grand Rapids Brass Co., Grand Rapids, Mich.
Hartford Glass Products Co., Hartford City, Ind. "Glasknob"
Ives (H. B.) Co., New Haven, Conn.
Rowe (Henry) Mfg. Co., Newaygo, Mich.
Stiles (H. A.) & Co., Boston, Mass.
Technical Glass Co., Inc., 2050 E. 48th, Los Angeles, Cal. "Tegco"
Tru-Lite Mfg. Co., Bradford, Pa.
Vineland Flint Glass Wks., Vineland, N. J.

KNOBS, Glass

Barrows Lock Wks. of Yale & Towne Mfg. Co., Lockport, Ill.
Bassick Co., Bridgeport, Conn.
Beardsley & Wolcott Mfg. Co., Waterville, Conn.
Chesler (J.) & Sons Co., 41 Varick Av., B'klyn, N. Y.
Hartford Glass Products Co., Hartford City, Ind. "Glasknob"
Independent Lock Co., Fitchburg, Mass. "Ilco"
New York Brass Turning Co., 568 B'way, New York, N. Y. "Brassturn"
Sager Lock Wks. of Yale & Towne Mfg. Co., No. Chicago, Ill.
Sargent & Co., New Haven, Conn.
Technical Glass Co., Inc., Los Angeles, Cal. "Tegco"
Tein (John) Co., Boston, Mass.
United States Glass Co., Pittsburgh, Pa.
Yale & Towne Mfg. Co., Stamford, Conn.

KNOBS, Wooden

American Enamel Co., Providence, R. I.
Brainerd Mfg. Co., East Rochester, N. Y.
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
National Brass Co., Grand Rapids, Mich.
National Lock Co., Rockford, Ill.
Rowe (Henry) Mfg. Co., Newaygo, Mich.
Stiles (H. A.) & Co., Boston, Mass.
Union Hdw. Co., Torrington, Conn.
Waddell Mfg. Co., Grand Rapids, Mich.
Winter (H. G.) & Sons, Kingfield, Me.

KNOCK-DOWN WINDOW SCREEN FRAMES—See Frames, Window Screen, Knock-Down

KNOCKERS, Door

Art Brass Co., 299 E. 134th, New York, N. Y.
Art Craft Mfg. Co., Chicago, Ill. "Peeknocker"
Artistic Bronze Co., Bridgeport, Conn.
Barrows Lock Works of Yale & Towne Mfg. Co., Lockport, Ill.
Boston Brass Andiron Co., Boston, Mass.
Braun (J. G.) Co., Chicago, Ill.
Champion Hdw. Co., Geneva, Ohio.
Chapman (W. H.) Co., Middletown, Conn.
Clinton Lock Co., Clinton, Ia.
Corbin, P. & F., New Britain, Conn.
Detroit Hdw. Mfg. Co., Detroit, Mich.
Doggett, R. L. S., Belmar, N. J. "Good Luck"
Earle Hdw. Mfg. Co., Reading, Pa.
Goldhill Hdw. Mfg. Co., Los Angeles, Cal.
Hess (Chas.) Co., 49-14 Metropolitan Av., B'klyn, N. Y.
Howes (S. M.) Co., Boston, Mass.
Hubley Mfg. Co., Lancaster, Pa.
Ives (H. B.) Co., New Haven, Conn.
Janusch Mfg. Co., 282 E. 135th, New York, N. Y.
McKinney Mfg. Co., Pittsburgh, Pa.
Midwest Hdw. Co., Chicago, Ill.
National Brass Co., Grand Rapids, Mich.
Norwalk Lock Co., 12 Warren, New York, N. Y.
Pacific Hdw. Mfg. Co., Los Angeles, Cal.
Penn Hdw. Co., Reading, Pa.
Reading Hdw. Co., Reading, Pa.
Reliable Mfg. Co., New Haven, Conn.
Rostand Mfg. Co., Milford, Conn.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sager Lock Works of Yale & Towne Mfg. Co., North Chicago, Ill.
Sargent & Co., New Haven, Conn.
Schlangen Mfg. Co., Chicago, Ill.
Slaymaker Lock Co., Lancaster, Pa.
Spencer's (I. S.) Sons, Inc., Guilford, Conn.
Stewart Iron Wks. Co., Inc., 814 Stewart Block, Cincinnati, O.
Yale & Towne Mfg. Co., Stamford, Conn.

KNURLED NUTS—See Nuts, Knurled

KNURLING HOLDERS—See Tools, Knurling

KNURLING IRONS—See Tools, Knurling

KNURLING PRESSES—See Tools, Knurling

KNURLING TOOLS—See Tools, Knurling

KNURLS—See Tools, Knurling

LABELS, Gummed

Allen-Bailey Tag Co., Caledonia, N. Y.
American Label Co., 216 W. 18th, New York, N. Y.
Atlas Co., Kalamazoo, Mich.
Bartlett Label Co., Kalamazoo, Mich.
Dennison Mfg. Co., Framingham, Mass.
Eastern Pin Ticket & Tag Co., Perkasie, Pa.
Eureka Spec. Printing Co., Scranton, Pa.
Ever Ready Label Corp., 257 W. 17th, New York, N. Y.
Fenton Label Co., Phila., Pa. "Fent-Onamel"
Garrison-Wagner Co., St. Louis, Mo.
Kalamazoo Label Co., Kalamazoo, Mich.
Keller Printing Co., 295 Lafayette, New York, N. Y.
Keystone Printed Specialties Co., Scranton, Pa.
McCourt Label Cabinet Co., Bradford, Pa.
Milwaukee Label & Seal Co., Milwaukee, Wis. "Julian"
Nashua Gummed & Coated Paper Co., Nashua, N. H.
Nashua Package Sealing Co., Nashua, N. H.
Phenix Box & Label Co., Kansas City, Mo.
St. Louis Sticker Co., St. Louis, Mo.
Salisbury Mfg. Co., Providence, R. I.
Shuman, Frank G., Chicago, Ill.
Standard Publishing Co., Vineland, V. J.
Stanley Mfg. Co., Dayton, O.
Tablet & Ticket Co., Chicago, Ill.
Thomas Stationery Mfg. Co., Springfield, O.
Unique Printed Products Co., Terre Haute, Ind.

LACE PAPER—See Paper, Lace

LACES, Basket Ball—See Laces, Foot Ball, Etc.

LACES, Foot Ball, Etc.

Draper-Maynard Co., Plymouth, N. H.
Goldsmith's (P.) Sons, Cincinnati, O.
Ken-Wel Sporting Goods Co., Utica, N. Y.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.) Wright & Ditson, Inc., Phila., Pa.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stall & Dean Mfg. Co., Brockton, Mass.

LACING, Belt

Allen (W. D.) Mfg. Co., Chicago, Ill. "Alenco"
American Lace Leather Co., Richmond, Va. "Eagle"
Armstrong-Bray & Co., Chicago, Ill. "Steelgrip"
Barnes (Henry K.) Co., Boston, 1, Mass. "Blueskin," "Gam-Oil"
Bay State Belting Co., Boston, Mass.
Bickford & Francis Belting Co., Buffalo, N. Y.
Birdsboro Steel Foundry & Mach. Co., Birdsboro, Pa.
Bristol Co., Waterbury, Conn.
California Tanning Co., St. Louis, Mo. "Indian Tan," "Krom," "Peerless," "Raw Hide"
Chicago Rawhide Mfg. Co., Chicago, Ill. "Vulcanite"
Clipper Belt Lacer Co., Grand Rapids, Mich.
Coupe (Wm.) Corp., Worcester, Mass. "Excelsior"
Detroit Belt Lacer Co., Detroit, Mich.
Eclipse Specialty Mfg. Co., Chicago, Ill.
Flexible Steel Lacing Co., Chicago, Ill. "Alligator," "Flexco-Deepwell," "Flexco H. D.," "High Duty"
Graton & Knight Co., Worcester, Mass. "Bar Brand," "Indian Tan," "Royal Worcester"
Greene, Tweed & Co., 109 Duane, New York, N. Y. "Manhattan"
Hemmerdinger (J. H.) & Son, Morgan Av. & Jackson, B'klyn, N. Y. "Economy," "Greenpoint," "IXL," "Plezall," "Union"
Hide Leather & Belting Co., Indianapolis, Ind.
Kerr & Co., 114 Liberty, New York, N. Y.
Ladew (Edward R.) Co., 99 Hudson, New York, N. Y.
McIlroy Belting Wks., Inc., Hammond, Ind.
Malin & Co., Cleveland, O. (Wire)
Manufacturers Belt Hook Co., Chicago, Ill. "Climax," "L-X," "Rainbow," "20 Century," "Safety First"
Norwich Belt Mfg. Co., Norwich, Conn. "Defiance," "Kromhyde," "Samson"
Philadelphia Belting Co., Phila., Pa. "Atlas"
Schieren (Chas. A.) Co., 30 Ferry, New York, N. Y. "Duxbak," "Giant," "Gowanus"
Western Rawhide & Belting Co., Milwaukee, Wis.
Williams (I. B.) & Sons, Dover, N. H. "Cocheco," "Oriole"

LACING MACHINES, Belt

Detroit Belt Lacer Co., Detroit, Mich.

LACING NEEDLES—See Needles, Lacing

LACQUERS

American Paint Co., Chicago, Ill. (Brass & Copper)
Arco Co., Cleveland, O.
Atlantic Chemical Co., Irvington, N. J. "No-Tarnish"
Beckwith-Chandler Co., 201 Emmett, Newark, N. J. "Bee-Cee"
Berry Bros., Detroit, Mich. "Berrylaid"
Boyer Chemical Laboratory Co., Chicago, Ill.
Brooks (Clarence) & Co., 249 Chestnut, Newark, N. J.
Campbell Paint & Varnish Co., St. Louis, Mo.
Chicago Paint Wks., Chicago, Ill. "Jiffy Lac"
Cleveland Varnish Co., Cleveland, O.
Columbus Varnish Co., Columbus, O.
Con-Ferro Paint & Varnish Co., St. Louis, Mo. "Bestex," "Evn-Lac"
DeGolyer Varnish Wks., Troy, N. Y.
Denny, Hilborn & Rosenbach, Phila., Pa.
Detroit White Lead Wks., Detroit, Mich. "Rogers" (Brushing)
Devoe & Raynolds, 1 W. 47th, New York, N. Y.
Ditzler Color Co., Detroit, Mich.
Du Pont (E. I.) de Nemours & Co., Inc., Phila., Pa. "Duco"
Egyptian Lacquer Mfg. Co., Inc., 140 Cedar, New York, N. Y.
Ever-Brite Products Co., Inc., East Liverpool, O.
Ever-Nu Mfg. Co., 115 Young, Long Island City, N. Y. (Black Only)
Felton, Sibley & Co., Phila., Pa.
Forest City Paint & Varnish Co., Cleveland, O.
Foy Paint Co., Inc., Cincinnati, (Norwood), O. "Dri-Fast"
Glidden Co., Cleveland, O. "Lacq"
Grand Rapids Varnish Corp., Grand Rapids, Mich.

LACQUERS (Continued)

Hilo Varnish Corp., 42 Stewart Av., B'klyn, N. Y.
Hooker Glass & Paint Mfg. Co., Chicago, Ill. "King"
Jamestown Wood Finishing Co., Jamestown, N. Y.
Jones-Dabney Co., Louisville, Ky.
Kalbfleisch Corp., 200 5th Av., New York, N. Y. "Kaloid"
Keystone Varnish Co., 71 Otsego, B'klyn, N. Y.
Lansing Paint & Color Co., Lansing, Mich.
Lucas (John) & Co., Phila., Pa. "Luco-Lac"
Marietta Paint & Color Co., Marietta, O.
Morgan Co., Peoria, Ill.
Murphy Varnish Co., 224 McWharter, Newark, N. J. (Brushing) "Muronic"
Nice (Eugene E.) Co., Phila., Pa.
Patterson-Sargent Co., Cleveland, O. "B. P. S.," "China-Lac"
Peninsular Paint & Varnish Co., Detroit, Mich. "PenProx," "Rogers"
Sheffield Bronze Powder & Stencil Co., 5817 Kinsman Rd., Cleveland, O.
Sherwin-Williams Co., Cleveland, O. "Opex"
Smith (Edw.) & Co., 127 West Av., Long Island City, N. Y. "Escolac"
Spruance (Gilbert) Co., Phila., Pa. "Q. E. D."
Standard Plate Glass Co., Pittsburgh, Pa. "So-E-Zy"
Stanley Chemical Co., East Berlin, Conn.
Twin City Varnish Co., Minneapolis, Minn.
Valentine & Co., 386 Fourth Av., New York, N. Y. "Valspar"
Zapon Co., Stamford, Conn. (Brushing)

LACROSSE BALLS—See Balls, Lacrosse

LACROSSE STICKS—See Sticks, Lacrosse

LADDER BRACKETS—See Brackets, Ladder, Safety

LADDER CHAIN—See Chain, Ladder

LADDER HOOKS—See Hooks, Ladder

LADDER JACKS

Babcock (W. W.) Co., Bath, N. Y.
Bauer Mfg. Co., Wooster, O.
Berg (John) Mfg. Co., Chicago, Ill.
Bettcher Stamping & Mfg. Co., Cleveland, O.
Heider Mfg. Co., Carroll, Ia.
Holland Ladder & Mfg. Co., Holland, Mich.
Hyde Mfg. Co., Southbridge, Mass.
Murray-Black Co., Springfield, O.
Sabin Machine Co., Cleveland, O. "Cleveland," "3-in-1"
Steel Scaffolding Co., Evansville, Ind.
Tilley (John S.) Ladders Co., Inc., Watervliet, N. Y.
United Screw & Bolt Corp., Cleveland, O.

LADDER SHOES

Harker Mfg. Co., Cincinnati, O. "Queen"
Safety Equipment Service Co., Cleveland, O. "Adjusto"

LADDERS, Disappearing

Farley & Loetscher Mfg. Co., Dubuque, Ia. "Presto," "Qualitybilt," "Victor"

LADDERS, Extension

Babcock (W. W.) Co., Bath, N. Y. "Champion," "Eastern," "General Purpose," "Western"
Bacon, John, Gasport, N. Y. "Niagara"
Bauer Mfg. Co., Wooster, O.
Berg (John) Mfg. Co., Chicago, Ill.
Bishop Ladder Co., Hartford, Conn.
Breyer Bros., Whiting & Co., Waupun, Wis.
Clark (J. R.) Co., Minneapolis, Minn. "Rid Jid"
Consolidated Pump & Ladder Co., Toledo, O. "Red Head"
Davenport Ladder Co., Davenport, Ia.
Goshen Churn & Ladder Co., Goshen, Ind.
Goshen Mfg. Co., Goshen, Ind.
Heider Mfg. Co., Carroll, Ia.
Holland Ladder & Mfg. Co., Holland, Mich.
Lourie Mfg. Co., Chicago, Ill.
Michigan Ladder Co., Ypsilanti, Mich.
Moulton Ladder Mfg. Co., Somerville, Mass. "Diamond"
Nappanee Lumber & Mfg. Co., Nappanee, Ind.
Peru Basket Co., Peru, Ind. "Pioneer"
Portland Extension Ladder & Pole Co., 130 Orange, Newark, N. J.
Putnam & Co., Inc., 34 Howard, New York, N. Y.
Rich Pump & Ladder Co., 1028 Depot, Cincinntai, O. "Ideal," "R. C. Reliable," "Sampson"
Superior Ladder Co., Goshen, Ind.
Tilley (John S.) Ladders Co., Inc., Watervliet, N. Y. "Liberty"
Von Steen (John H.) Co., Beatrice, Neb.
Walkerton Ladder Co., Walkerton, Ind.
Young (J. O.) Co., Springfield, Mass.

LADDERS, Fruit Pickers

Babcock (W. W.) Co., Bath, N. Y.
Clark (J. R.) Co., Minneapolis, Minn. "Rid Jid"
Consolidated Pump & Ladder Co., Toledo, O.
Goshen Mfg. Co., Goshen, Ind.
Holland Ladder Co., Holland, Mich.
Michigan Ladder Co., Ypsilanti, Mich.
Tilley (John S.) Ladder Co., Inc., Watervliet, N. Y.

LADDERS, Rolling—See Ladders, Store

LADDERS, Rope

Goss (John C.) Co., Detroit, Mich.
Jacksonville Tent & Awning Co., Inc., Jacksonville, Fla.
Rope Fire Escape Co., Phila., Pa.

LADDERS, Sliding—See Ladders, Store

LADDERS, Steel

American Bridge Co., 30 Church, New York, N. Y.
Barnum (E. T.) Wire & Iron Wks., Detroit, Mich.
Breyer Bros., Whiting & Co., Waupun, Wis.
Meyers (Fred J.) Mfg. Co., Hamilton, O.
New Britain Mach. Co., New Britain, Conn.
Republic Structural Iron Wks. Co., Cleveland, O.
Smith (F. P.) Wire & Iron Wks., Chicago, Ill.

LADDERS, Step

Albion Wood & Metal Products Co., Albion, N. Y. "Giant Jr."
American Specialty Mfg. Co., Sanford, Me. "Safety First"
Babcock (W. W.) Co., Bath, N. Y. "Eastern," "Gem," "New York," "Steuben," "Victor"
Bacon, John, Gasport, N. Y. "Niagara"
Bauer Mfg. Co., Wooster, O.
Berg (John) Mfg. Co., Chicago, Ill. "Gem," "Rex," "Sterling"
Bishop Ladder Co., Hartford, Conn.
Chesebro Whitman Co., Inc., 38-21 12th, Long Island City, N. Y.
Clark (J. R.) Co., Minneapolis, Minn. "Clark Special," "Climax," "Durable Household," "Durable Painters," "Monarch Household," "Rid Jid Household," "Rid Jid Painters," "Samson," "Stansteady"
Consolidated Pump & Ladder Co., Toledo, O. "Rex," "Red Head"
Davenport Ladder Co., Davenport, Ia. "Challenge," "Dalco," "Perfection," "Star," "Superior"
Dayton Safety Ladder Co., Cincinnati, O. (Platform)
Durabilt Ladder Corp. of America, Wilmington, Del.
Fellows & Co., Boston, Mass. "Felsco"
Flint (A. W.) Co., New Haven, Conn.
Frizell Ladder Co., Boston, Mass. "Climax," "Fairy," "Giant"
Goshen Churn & Ladder Co., Goshen, Ind. "Excell," "Jim Dandy," "King," "Security," "Stronghold"
Goshen Mfg. Co., Goshen, Ind. "Blue Ribbon," "Boyer," "Climax," "Faultless," "Hercules"
Gregg Mfg. Co., Fredericktown, O. "Premier"
Harker Mfg. Co., Cincinnati, O. "Queen"
Hattiesburg Wood Products Co., Hattiesburg, Miss. "Tripple XXX"
Heider Mfg. Co., Carroll, Ia.
Herkimer Specialties Corp., Newport, N. Y. "Acme"
Holland Ladder & Mfg. Co., Holland, Mich.
Howard Mfg. Co., Kent, Wash. "Crown"
Krewson, T. C., Phila., Pa.
Los Angeles Ladder Co., Los Angeles, Cal. (Combination)
Mallory, C. M., Albion, N. Y.
Michigan Ladder Co., Ypsilanti, Mich.
Milbradt Mfg. Co., 2410 N. 10th, St. Louis, Mo. "Bicycle"
Moulton Ladder Mfg. Co., Somerville, Mass. "Combination," "K. I."
Mutual Furniture Mfg. Co., Miamisburg, O. "Dayton"
Paris Mfg. Co., South Paris, Me.
Pease (F. B.) Co., Rochester, N. Y.
Peru Basket Co., Peru, Ind. "Pioneer"
Putnam & Co., Inc., 34 Howard, New York, N. Y.
Rich Pump & Ladder Co., 1028 Depot, Cincinnati, O.
Richter (C. G.) & Co., Spokane, Wash.
Saginaw Ladder Co., Saginaw, Mich.
Smith (S. A.) Mfg. Co., Brattleboro, Vt. "Aetna," "National," "Star"
Specialty Mfg. Co., Titusville, Pa.
Success Furniture Corp., St. Louis, Mo. "Ideal"
Superior Ladder Co., Goshen, Ind. "Atlas," "Attos," "Decorator," "Hill," "Monarch," "Reliance," "Super-Strong"
Teepe-Whitney Corp., Vernon & Nott Avs., Long Island City, N. Y.
Tilley (John S.) Ladders Co., Inc., Watervliet, N. Y. "Decorators," "Electrician," "Hudson," "Mohawk," "Trojan"
Von Steen (John H.) Co., Beatrice, Neb.
Walkerton Ladder Co., Walkerton, Ind.
Whitehurst (R. W.) Mfg. Corp., Norfolk, Va.
Young (J. O.) Co., Springfield, Mass.

LADDERS, Step, Folding

Babcock (W. W.) Co., Bath, N. Y. "Victor"
Bauer Mfg. Co., Wooster, O.
Berg (John) Mfg. Co., Chicago, Ill.
Burrowes (E. T.) Co., Portland, Me.
Clark (J. R.) Co., Minneapolis, Minn. "Space-Saver"
Consolidated Pump & Ladder Co., Toledo, O. "Red Head"
Hall Mfg. Co., Cedar Rapids, Ia.
Holland Ladder & Mfg. Co., Holland, Mich.
Independent Chair Co., Boston, Mass.
Jackson (S. D.) Co., Portland, Me.
Kauffman Mfg. Co., Ashland, O.
Lattimer (W. H.) & Sons, Orwell, N. Y.
Michigan Ladder Co., Ypsilanti, Mich.
Moulton Ladder Mfg. Co., Somerville, Mass. "Combination," "K. I."
Nappanee Lumber & Mfg. Co., Nappanee, Ind. "Knox-All"
Nichols & Stone Co., Gardner, Mass.
Paris Mfg. Co., South Paris, Me.
Penn Swing & Ladder Co., Lancaster, Pa.
Putnam & Co., Inc., 34 Howard, New York, N. Y.
Rich Pump & Ladder Co., 1028 Depot, Cincinnati, O. "Acme," "Cincinnati," "Durex," "Gem," "Mill-Wright," "Star"
Success Furniture Corp., St. Louis, Mo. "Ideal"
Superior Ladder Co., Goshen, Ind.
Tilley (John S.) Ladders Co., Inc., Watervliet, N. Y. "Decorator," "Electrician," "Hudson," "Omega," "Patrician," "Trojan"
Udell Wks., Indianapolis, Ind.
Waite Chair Co., Baldwinsville, Mass.
Young (J. O.) Co., Springfield, Mass.

LADDERS, Stool, Step

Berg (John) Mfg. Co., Chicago, Ill.
Clark (J. R.) Co., Minneapolis, Minn. "Handy," "Utility"
Gem Mfg. Co., Bascom, O. "Special"
Putnam & Co., Inc., 34 Howard, New York, N. Y.
Rich Pump & Ladder Co., 1028 Depot, Cincinnati, O.
Sterling Woodenware Co., Sterling, Ill. "Crackerjac"

LADDERS, Store, Sliding and Rolling

Allith-Prouty Co., Danville, Ill. "Reliable"
Calander (John) Mfg. Co., St. Paul, Minn.
Coburn Trolley Track Mfg. Co., Holyoke, Mass.
Cotterman, I. D., Chicago, Ill.
Duluth Show Case Co., Duluth, Minn.
Flint (A. W.) Co., New Haven, Conn.
Heller (W. C.) & Co., Montpelier, O.
Milbradt Mfg. Co., 2410 N. 10th, St. Louis, Mo. "Bicycle"
Moulton Ladder Mfg. Co., Somerville, Mass.
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O. "Cushion Tire"
Putnam & Co., Inc., 34 Howard, New York, N. Y.
Richards-Wilcox Mfg. Co., Aurora, Ill.
Starline, Inc., Harvard, Ill.
Success Furniture Corp., St. Louis, Mo. "Ideal"
Young Bros. Co., Worcester, Mass.

LADDERS, Toy

Kingsbury Mfg. Co., Keene, N. H.

LADDERS, Trolley—See Ladders, Store

LADIES' SHOVELS—See Shovels, Ladies'

LADLES, Household

A. & J. Kitchen Tool Co., Chicago, Ill. "Blutip"
Acme Metal Goods Mfg. Co., 2 Orange, Newark, N. J.
Aluminum Specialty Co., Manitowoc, Wis.
Bellaire Enamel Co., Bellaire, O. "Beco"
Doyleston Aluminum Ware Co., Doylestown, O.
Fargo Aluminum Co., Taunton, Mass.
Metal Goods Corp., St. Louis, Mo.
Munising Woodenware Co., Cleveland, O.
National Enameling & Stamping Co., Milwaukee, Wis.
National Pipe Bending Co., New Haven, Conn.
Parrish (J. Shepherd) Co., Chicago, Ill.
P. M. C. Mfg. Corp., Kingston, N. Y.
Robeson-Rochester Corp., Rochester, N. Y. "Royal Rochester"
Samson-United Corp., Rochester, N. Y. (Stainless)
Savory, Inc., 591 Ferry, Newark, N. J.
Transue & Williams Steel Forging Corp., Alliance, O. "Nirosta" (Stainless Steel)
U. S. Stamping Co., Moundville, W. Va.
Utility Mfg. Co., Baltimore, Md.
Vaughan Novelty Mfg. Co., Chicago, Ill. "No Chip" (Soup)
Voos Co., Inc., New Haven, Conn.
Wagner Mfg. Co., Sidney, O.
Wallace Bros., Wallingford, Conn.
Washburn Company, Worcester, Mass. "Sno-Cap"

LADLES, Melting

Battery Equipment & Supply Co., Chicago, Ill.
Clayton & Lambert Mfg. Co., Detroit, Mich.
Grey Iron Casting Co., Mt. Joy, Pa.
Hollands Mfg. Co., Erie, Pa.
Johnson (William), Inc., 36 Brenner, Newark, N. J.
Norris Bros., Robinson, Ill. (Bottom Pour)
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Rowell Mfg. Co., Appleton, Wis. "Newway," "Standard" (Bottom Pour)
Ryerson (Jos. T.) & Son, Chicago, Ill.
Sayre (L. A.) Co., 332 Mulberry, Newark, N. J.
Swett (A. L.) Iron Wks., Medina, N. Y.
Union Iron Wks., Hoboken, N. J.
Unique Mfg. Co., Inc., Chicago, Ill.
U. S. Hardware Mfg. Co., Pawtucket, R. I.
Warren Tool & Forge Co., Warren, O. "Quikwerk"

LAG BOLTS—See Bolts, Lag

LAG SCREW SHIELDS—See Shields, Lag Screw

LAG SCREW WRENCHES — See Wrenches, Lag Screw

LAG SCREWS—See Screws, Coach and Lag

LAMB KNIVES—See Knives, Lamb

LAMB ADAPTORS—See Electrical Specialties and Supplies

LAMP BRACKETS—See Brackets, Lamp

LAMP BURNERS—See Burners, Lamp

LAMP CHIMNEY HEATERS—See Heaters, Lamp Chimney

LAMP CHIMNEYS—See Chimneys, Lamp

LAMP CORD, ELECTRIC—See Cord, Lamp, Electric

LAMP REPAIRERS AND SUPPLIES—See Repairs and Supplies, Lamp

LAMPSHADE FRAMES—See Frames, Lampshade, Wire

LAMPSHADES—See Shades, Lamp

LAMP SOCKETS—See Sockets, Lamp

LAMP STANDARDS—See Standards, Lamp

LAMP WICK TRIMMERS—See Trimmers, Lamp Wick

LAMP WICKS—See Wicks, Lamp

LAMPS, Acetylene, Gas

American Safety Lamp & Mine Supply Co., Scranton, Pa.
Brilliant Search Light Mfg. Co., Chicago, Ill.
Brown (John W.) Mfg. Co., Columbus, O.
K-D Lamp Co., Cincinnati, O.
Klemm & Co., Phila., Pa.
MacLeod Co., Cincinnati, O.
Milburn (Alexander) Co., Baltimore, Md.
Seiss Mfg. Co., Toledo, O.

LAMPS, Artistic Bronze and Wrought Iron

Aladdin Industries, Inc., Chicago, Ill.
Aladdin Mfg. Co., Muncie, Ind. "Reth-Flex" (Cast Metal, Pottery, Glass, Etc.)
Braun (J. G.) Co., Chicago, Ill.
Eagle Mfg. Co., Wellsburg, W. Va.
Gregg Mfg. Co., Fredericktown, O.
Jackson (Wm. H.) Co., 2 W. 47th, New York, N. Y.
Janusch Mfg. Co., 282 E. 135th, New York, N. Y.
Kiss Bros. Mfg. Co., New Haven, Conn.
Meyers (Fred J.) Mfg. Co., Hamilton, O.
Smith (F. P.) Wire & Iron Wks., Chicago, Ill.
Stewart Iron Wks. Co., Inc., 814 Stewart Block, Cincinnati, O.
Tyler (W. S.) Co., Cleveland, O.

LAMPS, Bicycle, Electric

Brown (Jno. W.) Mfg. Co., Columbus, O.
Delta Electric Co., Marion, Ind. "Cadet," "Clipper," "Sentary," "Silver Knight," "Sportster," "Trooper"
Hygrade Lamp Co., Salem, Mass.
Seiss Mfg. Co., Toledo, O.
Smith (F. A.) Mfg. Co., Inc., Rochester, N. Y.

LAMPS, Bronze—See Lamps, Artistic Bronze

LAMPS, Camp

Akron Lamp Co., Akron, O. "Diamond" (Gasoline or Kerosene)
American Gas Machine Co., Inc., Albert Lea, Minn. "Ready-Lite"
Brilliant Searchlight Mfg. Co., Chicago, Ill.
Chicago Cycle Supply Co., Chicago, Ill.
Coleman Lamp & Stove Co., Wichita, Kan. "Quick-Lite" (Gasoline Pressure)
Columbus Auto Brass Co., Columbus, O.
Cowles (C.) & Co., New Haven, Conn.
Delta Electric Co., Marion, Ind.
Dewar Mfg. Co., 34 35th, Bklyn., N. Y. (Carbide)
Dietz (R. E.) Co., 60 Laight, New York, N. Y. "Beacon," "Pioneer," "Sport"
Indiana Lamp Co., Connersville, Ind. "Eyes of the Night"
Jenkins & Co., Des Moines, Ia.
Justrite Mfg. Co., Chicago, Ill.
Knight Light & Soda Fountain Co., Chicago, Ill.
Landon, Judd, Schenectady, N. Y.
National Stamping & Electric Wks., Chicago, Ill.
Saufley Supply Co., Kansas City, Mo.
Shanklin Mfg. Co., Springfield, Ill. "Big Boy"
Silvey Electric Co., Dayton, O.
Tures Mfg. Co., Milwaukee, Wis.

LAMPS or BULBS, Electric, Incandescent

Consolidated Electric Lamp Co., 990 Holton, Danvers, Mass. "Champion," "Green Back," "Rough Service," "White Champion"
Economic Lamp Co., Malden, Mass. "Hub"
General Electric Co., Nela Park, Cleveland, O. "Mazda"
Hygrade-Sylvania Corp., Hygrade Lamp Div., Salem, Mass.
Jewel Lamps, Inc., 222 Halsey, Newark, N. J.
Ken-Rad Corp., Owensboro, Ky.
Kentucky Electric Lamp Co., Inc., Owensboro, Ky.
North American Electric Lamp Co., St. Louis, Mo. "Lite-O-Nite," "Nalco"
Santa Fe Electric Co., Inc., 451 S. Jefferson, Orange, N. J. "Sunray"
Tung-Sol Lamp Wks., Newark, N. J. "Tulite"
Westinghouse Lamp Co., 150 B'way, New York, N. Y.

LAMPS or BULBS, Electric, Miniature

Chicago Miniature Lamp Wks., Chicago, Ill.
General Electric Co., Nela Park, Cleveland, O. "Mazda"
Matchless Electric Co., Chicago, Ill.
National Carbon Co., Inc., 30 E. 42d, New York, N. Y. "Eveready Mazda"
Tung-Sol Lamp Works, 95 8th Av., Newark, N. J. "Bi-Focal," "Tulite"
Westinghouse Lamp Co., 150 B'way, New York, N. Y.

LAMPS, Electric, Adjustable

Aladdin Mfg. Co., Muncie, Ind. "Deskflex," "Reth-Flex"
Art Metal Wks., 7 Mulberry, Newark, N. J.
Bussmann Mfg. Co., St. Louis, Mo. "Clamp-O-Set"
Faries Mfg. Co., Decatur, Ill. "Amronlite"
General Appliance Co., Phila., Pa.
Gregg Mfg. Co., Fredericktown, O.
Greist Mfg. Co., New Haven, Conn. "Do-All," "Juniorlite," "Wallace"
McFaddin (H. G.) & Co., Inc., 40 Warren, New York, N. Y. "Emeralite"
Miller Co., Meriden, Conn. "Duplex-A-Lite," "U-Dezine"
Morse (F. W.) Co., Boston, Mass.
North American Electric Lamp Co., St. Louis, Mo.
Schwartz (S. R.) & Bro., 160 Varick, New York, N. Y.
Seymour Products Co., Seymour, Conn.
Vimco Mfg. Co., Inc., Buffalo, N. Y. (Radio and Typewriter)
Wakefield (F. W.) Brass Co., Vermilion, O. "Red-Spot"
White (O. C.) Co., 15 Hermon, Worcester, Mass. "Play-O-Lite"
Wirt Co., Phila., Pa. "Dim-A-Lamp"

LAMPS, Electric, Hand or Inspection

Aid Mfg. Co., Chicago, Ill. "Amco"
American Electric Co., Chicago, Ill.
Chicago Electric Mfg. Co., Chicago, Ill. "Handy"
City Wire Frame Co., Chicago, Ill.
Collyer Insulated Wire Co., Pawtucket, R. I.
Connecticut Telephone & Electric Co., Meriden, Conn.
Cowles (C.) & Co., New Haven, Conn.
Culver-Stearns Mfg. Co., Worcester, Mass.
Delta Electric Co., Marion, Ind. "Redbird"
Electric Arts Co., Baltimore, Md. "Elec-tro-lite"
Fenton Mach. Tool & Die Co., Fenton, Mich.
Glade Mfg. Co., Chicago, Ill.
Harvard Electric Co., Chicago, Ill.
Loxley Mfg. Co., Inc., Toledo, O.
Metal Specialties Mfg. Co., Chicago, Ill. "Presto"
Morse, Frank W., Boston, Mass.
Motor Specialties Co., Waltham, Mass. "Mosco"
Niagara Searchlight Co., Niagara Falls, N. Y.
Premier Electric Co., Chicago, Ill. "Stickalite"
Rodale Mfg. Co., Inc., Emaus, Pa.
Smith (F. A.) Mfg. Co., Rochester, N. Y.
Troy Mfg. Co., Chicago, Ill. "Troylites"
Vesta Battery Corp., Chicago, Ill.
Wesbar Corp., West Bend, Ind.
Whitman, B. J., Boston, Mass.
Woodhead (Daniel) Co., Chicago, Ill. "Protex," "Vaportex"

LAMPS and LANTERNS, Gasoline

Akron Lamp Co., Akron, O. "Diamond," "Diamond Light"
American Gas Machine Co., Inc., Albert Lea, Minn. "American Ready-Lite"
Coleman Lamp & Stove Co., Wichita, Kansas. "Instant-Lite," "Quick-Lite"
Erie Gas Mantle Mfg. Co., Erie, Pa.
Justrite Mfg. Co., Chicago, Ill.
Lakeside Mfg. Co., Chicago, Ill.
Lindemann (A. T.) & Hoverson Co., Milwaukee, Wis. "Lind-O-Lite"
Nagel-Chase Mfg. Co., Chicago, Ill.
National Stamping & Electric Wks., Chicago, Ill. "Storm King," "Nulite"

LAMPS, Floor and Table

Akron Lamp Co., Akron, O. "Diamond" (Table, Gasoline or Kerosene)
Aladdin Mfg. Co., Muncie, Ind.
American Gas Machine Co., Inc., Albert Lea, Minn. "American Ready-Glo" (Gasoline Pressure)
Art Metal Wks., 7 Mulberry, Newark, N. J.
Casey-Foster Co., Boston, Mass. "Edstar"
Dick Brothers, Reading, Pa.
Eagle Mfg. Co., Wellsburg, W. Va.
Fulper Pottery, Flemington, N. J.
Gillinder & Sons, Inc., Phila., Pa. (Children's Night Lamp)
Greist Mfg. Co., New Haven, Conn.
H. L. G. Mfg. Co., Indianapolis, Ind. "Hi-Boy"
Hubley Mfg. Co., Lancaster, Pa.
Janusch Mfg. Co., 282 E. 135th, New York, N. Y.
Jefferson Glass Co., Follansbee, W. Va., (Table & Boudoir)
Kopp Glass Co., Swissvale, Pa.
Lamp Time Corp., Milwaukee, Wis. (Combination Clock and Lamp)
Lightolier Co., 569 B'way, New York, N. Y.
Lindemann (A. J.) & Hoverson Co., Milwaukee, Wis. "Lind-O-Lite" (Table, Gasoline)
McFaddin (H. G.) & Co., Inc., 40 Warren, New York, N. Y.
Mantle Lamp Co. of America, Chicago, Ill.
Miller Co., Meriden, Conn.
Nagel-Chase Mfg. Co., Chicago, Ill. (Gasoline)
National Stamping & Electric Wks., Chicago, Ill.
Parker (Chas.) Co., Meriden, Conn.
Sandel Mfg. Co., Chicago, Ill.
Schwartz (S. R.) & Bro., 160 Varick, New York, N. Y.
Seymour Products Co., Seymour, Conn. (Smokers Lamp)
Treasure Chest, Asheville, N. C.
United States Glass Co., Pittsburgh, Pa.
Wirt Co., Germantown, Phila., Pa. "Dim-a-Lamp"

LAMPS, Glass

Cambridge Glass Co., Cambridge, O.
Central Glass Wks., Wheeling, W. Va.
Consolidated Lamp & Glass Co., Coraopolis, Pa.
Eagle Co., Wellsburg, W. Va.
Fostoria Glass Co., Moundsville, W. Va.
Lancaster Glass Co., Lancaster, O.
New Martinsville Glass Mfg. Co., New Martinsville, W. Va.
Phoenix Glass Co., Pittsburgh, Pa.
Pittsburgh Lamp, Brass & Glass Co., Pittsburgh, Pa.
Sneath Glass Co., Hartford City, Ind.

LAMPS, Head, Acetylene, Automobile

Dietz (R. E.) Co., 60 Laight, New York, N. Y. "Ranger"

LAMPS, Head, Electric, Automobile

Brown (John W.) Mfg. Co., Columbus, O.
Corcoran (Thos. J.) Lamp Co., Cincinnati, O.
Culver-Stearns Mfg. Co., Worcester, Mass.
Dietz (R. E.) Co., 60 Laight, New York, N. Y. "Sentinel"
Edmunds & Jones Corp., Detroit, Mich.
Indiana Lamp Co., Connersville, Ind. "Ilco," "Ryan-lite," (Also Airplanes)
K-D Lamp Co., Cincinnati, O.
Livingston Bros., Los Angeles, Cal. "Pilot-Ray"
Vesta Battery Corp., Chicago, Ill.

LAMPS, Hunting

Brilliant Search Light Mfg. Co., Chicago, Ill.
Justrite Mfg. Co., Chicago, Ill.
Shanklin Mfg. Co., Springfield, Ill. "Big Boy"

LAMPS, Incubator

Hoeft & Co., Inc., North Chicago, Ill. "Moe's"
Kentucky Stamping Co., Louisville, Ky. "Kentucko"
Queen Incubator Co., Lincoln, Neb.

LAMPS, Inspection, Electric—See Lamps, Electric, Hand or Inspection

LAMPS, Iron—See Lamps, Artistic Bronze and Wrought Iron

LAMPS, Kerosene Oil

Akron Lamp Co., Akron, O. (Gasoline or Kerosene)
Dietz (R. E.) Co., 60 Laight, New York, N. Y. "Champion," "Convoy," "Dainty," "Eureka," "Ideal," "Iron Clad," "Monitor," "Orient," "Regal"
Knight Light & Soda Fountain Co., Chicago, Ill.
Mantle Lamp Co. of America, Chicago, Ill. "Aladdin"
Miller (Edward) & Co., Meriden, Conn.
Miller (Robert E.) Inc., 35 Pearl, New York, N. Y.
Nagel-Chase Mfg. Co., Chicago, Ill.
National Stamping & Electric Wks., Chicago, Ill.
New Martinsville Glass Mfg. Co., New Martinsville, W. Va.
Pittsburgh Lamp Brass & Glass Co., Pittsburgh, Pa.
Scovill Mfg. Co., Waterbury, Conn.
Standard Oil Co. of N. J., 26 Broadway, New York, N. Y. "Rayo"
Ulfers-Holtum Mfg. Co., Freeport, Ill.
United States Glass Co., Pittsburgh, Pa.

LAMPS, Mine, Acetylene

Bullard (E. D.) Co., San Francisco, Calif.
Hughes Bros. Co., Scranton, Pa. "Pathfinder"
Justrite Mfg Co., Chicago, Ill.
MacLeod Co., Cincinnati, O.
Martin Hardsocg Co., Pittsburgh, Pa.
Milburn (Alexander) Co., Baltimore, Md.
National Carbide Sales Corp., 60 E. 42nd, New York, N. Y.
Shanklin Mfg. Co., Springfield, Ill. "Shanco"
Wolf Safety Lamp Co. of America, 227 Grand Av., Bklyn, N. Y.

LAMPS, Miners', Electric

Concordia Elec. Co., Pittsburgh, Pa. "CEAG"
Edison Storage Battery Co., Orange, N. J.
Wolf Safety Lamp Co. of America, 227 Grand Av., Bklyn, N. Y.

LAMPS, Miners', Oil and Sunshine

Anton (Geo. T.) & Bro., Monongahela, Pa.

LAMPS, Miners', Safety

American Safety Lamp & Mine Supply Co., Scranton, Pa. "Beard-Deputy," "Clanny," "Davy," "Marsaut," "Wolfe-Type"
Bullard (E. D.) Co., San Francisco, Calif.
Concordia Elec. Co., Pittsburgh, Pa. "CEAG"
Dewar Mfg. Co., 34 35th, Bklyn, N. Y.
Handlan-Buck Mfg. Co., St. Louis, Mo.
Hughes Bros., Scranton, Pa.
Jones (T. R.) Co., Wilkes-Barre, Pa. "Black Diamond"
Justrite Mfg. Co., Chicago, Ill. "Matchless"
Koehler Mfg. Co., Marlboro, Mass.
MacLeod Co., Cincinnati, O.
Mine Safety Appliance Co., Pittsburgh, Pa.
Shanklin Mfg. Co., Springfield, Ill. "Big Boy"
Standard Oil Co., 26 B'way, New York, N. Y. "Miners Sunshine"
What Cheer Tool Co., What Cheer, Ia.
Wissler Instrument Co., St. Louis, Mo.
Wolf Safety Lamp Co. of America, 227 Grand Av., Bklyn, N. Y.

LAMPS, Motorcycle—See Lamps, Bicycle

LAMPS, Night

Coleman Lamp & Stove Co., Wichita, Kansas. "Kuick-Lite" (Gasoline Pressure)
McFaddin (H. G.) & Co., Inc., 40 Warren, New York, N. Y. "Glow," "Gnome" (Electric & Gasoline)
Plume & Atwood Mfg. Co., Waterbury, Conn.

LAMPS, Safety—See Lamps, Miners', Safety

LAMPS, Television—See Tubes, Vacuum, Television

LAMPS, Therapeutic

Applied Research, Inc. (Nu-Sol Div.), Chicago, Ill.
Campbell (Wm.) Co., Alliance, O.
Eastern Laboratories, Inc., 227 E. 38th New York, N. Y.
Fitzgerald Mfg. Co., Torrington, Conn.
General Electric Co., Bridgeport, Conn.
General Electric Co., Nela Park, Cleveland, O.
General Electric Co., Schnectady, N. Y.
Health Ray Mfg. Co., 135 W. 19th, New York, N. Y.
Keene Chemical Co., 204 E. 23rd, New York, N. Y. "Palm Beach"
McFaddin (H. G.) & Co., Inc., 40 Warren, New York, N. Y. "Thermolite"
National Stamping & Elec. Wks., Chicago, Ill. "White Cross"
North American Electric Lamp Co., St. Louis, Mo.
Rodale Mfg. Co., 200 Hudson, New York, N. Y.
Rogers Elec. Mfg. Co., Cleveland, O.
Samson-United Corp., Rochester, N. Y.
Superior Electric Products Corp., St. Louis, Mo.
Westinghouse Lamp Co., 150 Broadway, New York, N. Y.

LAMPS, Wrought Iron—See Lamps, Artistic Bronze and Wrought Iron

LANDING FISH GAFFS—See Gaffs, Fish, Landing

LANDING NETS—See Nets, Landing

LANTERN GLOBES—See Globes, Lantern

LANTERNS, Cold Blast

Dietz (R. E.) Co., 60 Laight, New York, N. Y. "Blizzard," "Crescent," "Crown," "D-Lite," "Gem," "Junior," "Little Giant," "Little Wizard," "Pioneer"
Embury Mfg. Co., Warsaw, N. Y. "Defiance," "Little Supreme," "Supreme"
Rochester Can Co., Rochester, N. Y.

LANTERNS, Dash

Dietz (R. E.) Co., 60 Laight, New York, N. Y. "Buckeye"
Embury Mfg. Co., Warsaw, N. Y. "Defiance," "Supreme"
Lisk Mfg. Co., Canandaigua, N. Y. "Hot Blast"
Porter Co., 241 Water, New York, N. Y.

LANTERNS, Driving

Dietz (R. E.) Co., 60 Laight, New York, N. Y. "Eureka," "Octo," "Union"
Embury Mfg. Co., Warsaw, N. Y. "Defiance," "Supreme"

LANTERNS, Hand, Electric

(See also Flashlights)

Bond Electric Corp., 257 Cornelison Av., Jersey City, N. J.
Burgess Battery Co., Freeport, Ill.
Carpenter Mfg. Co., Boston, Mass. "Carpenterlites"
Chase Brass & Copper Co., Waterbury, Conn. "Bomb"
Delta Electric Co., Marion, Ind. "Apollo," "Husky," "Red Bird," "Silverite"
Economy Electric Lantern Co., Chicago, Ill.
French Battery Co., Madison, Wis. "Ray-O-Vac"
Gray (Peter) & Sons, Inc., East Cambridge, Mass.
Honeycut Battery Corp., Kansas City, Mo. "A. C. Midget"
Justrite Mfg. Co., Chicago, Ill.
Lincoln Mfg. Co., Detroit, Mich. (With house number)
Novelty Lighting Corp., Cleveland, O.
Rodale Mfg. Co., Inc., Emaus, Pa.
Wesbar Corp., West Bend, Ind.
Woodhead (Daniel) Co., Chicago, Ill. "Protex," "Vaportex"

LANTERNS, Gasoline—See Lamps and Lanterns, Gasoline

LANTERNS, Hanging

Coleman Lamp & Stove Co., Wichita, Kansas. "Jumbo" (Gasoline Pressure)
Dietz (R. E.) Co., 60 Laight, New York, N. Y. "Poineer"
Dixon Metal Studios, Los Angeles, Cal.
Embury Mfg. Co., Warsaw, N. Y. "Defiance," "Supreme"
Janusch Mfg. Co., 282 E. 135th, New York, N. Y.
Patrician Art Metal Corp., Indianapolis, Ind. "Pamco Lantrio"
Stewart Iron Wks., Co., Inc., 814 Stewart Block, Cincinnati, O.
Treasure Chest, Asheville, N. C.

LANTERNS, Hot Blast

Dietz (R. E.) Co., 60 Laight, New York, N. Y. "Clipper," "Hy-Lo," "Little Star," "Monarch," "O. K.," "Royal," "Victor"
Embury Mfg. Co., Warsaw, N. Y. "Defiance," "Supreme"

LANTERNS, Inspectors'

Dietz (R. E.) Co., 60 Laight, New York, N. Y. "Acme," "Ideal"
Embury Mfg. Co., Warsaw, N. Y. "Defiance," "Supreme"

LANTERNS, Magic

Mariss Bros., Boston, Mass.
Metal Stamping Mfg. Co., Cleveland, O.
White (H. C.) Co., North Bennington, Vt. "Radioptican"

LANTERNS, Platform

Dietz (R. E.) Co., 60 Laight, New York, N. Y. "Climax," "Imperial"
Embury Mfg. Co., Warsaw, N. Y. "Defiance," "Supreme"

LANTERNS, Railroad

Dietz (R E.) Co., 60 Laight, New York, N. Y. "Acme" (Inspectors'), "Ideal" (Inspectors'), "Protector" (Trackwalkers'), "Rear Signal," "Standard" (No. 39), "Steel Clad" (No. 39), "Vesta," "Vulcan" (No. 39), "X. L. C. R." (Switchmen's)
Embury Mfg. Co., Warsaw, N. Y. "Defiance," "Supreme"
Keystone Lantern Co. (Tacony), Philadelphia, Pa.

LANTERNS, Scout

Dietz (R E.) Co., 60 Laight, New York, N. Y.

LANTERNS, Tubular

Dietz (R E.) Co., 60 Laight, New York, N. Y. "D-Lite," "Hy-Lo," "Little Wizard," "O. K.," "Victor"
Embury Mfg. Co., Warsaw, N. Y. "Defiance," "Little Supreme," "Midget," "Supreme"
National Stamping & Electric Wks., Chicago, Ill. "Nulite"
Rochester Can Co., Rochester, N. Y. "Iron Horse"
Tures Mfg. Co., Milwaukee, Wis.
Wheeling Stamping Co., Wheeling, W. Va. "Paull's Leader"

LANTERNS, Wagon

Dietz (R. E.) Co., 60 Laight, New York, N. Y. "Junior," "Roadster"
Embury Mfg. Co., Warsaw, N. Y. "Defiance," "Supreme"

LANTERNS, Wall

Dietz (R. E.) Co., 60 Laight, New York, N. Y. "Beacon"
Embury Mfg. Co., Warsaw, N. Y. "Defiance," "Supreme"

LAPPING COMPOUNDS—See Compounds, Valve, Grinding

LARD CANS—See Cans, Lard

LARD PRESSES—See Presses, Lard

LASTS and STANDS, Cobblers'

(See also Outfits, Cobblers')

Adams Co., Dubuque, Ia.
Badger Malleable & Mfg. Co., S. Milwaukee, Wis. "Champion," "Peerless"
Chattanooga Implement & Mfg. Co., Chattanooga, Tenn.
Dalton Foundries, Inc., Warsaw, Ind. "Big Boy"
Fate-Root-Heath Co., 1333 High, Plymouth, O. "Atlas," "Buckeye," "Guaranteed Perfection," "Hercules," "Ohio"
Grey Iron Casting Co., Mt. Joy, Pa.
Littlestown Hdw. & Fdry. Co., Littlestown, Pa.
Star Heel Plate Co., Louis Sacks, Inc., 357 Wilson Av., Newark, N. J. "Clipper," "Dixie," "Empire," "Eureka," "Gotham," "Jersey," "Newark," "Victor"
Wrightsville Hdw. Co., Wrightsville, Pa. "Brighton," "Columbia"

LATCHES—See Knobs; also Locks; also Catches

LATCHES, Barn Door—See Latches, Door, Barn

LATCHES, Door

Allith-Prouty Co., Danville, Ill. "Alligator"
Arcade Mfg. Co., Freeport, Ill.
Barrows Lock Wks. of Yale & Towne Mfg. Co., Lockport, Ill.
Best Universal Lock Co., Seattle, Wash.
Bohannan (Wilson) Co., Marion, O. "Well Bilt"
Bommer Spring Hinge Co., 263 Classon Av., Bklyn., N. Y.
Braun (J. G.) Co., Chicago, Ill.
Chantrell Hdw. & Tool Co., Reading, Pa.
Corbin, P. & F., New Britain, Conn.
Crown Lock Co., 420 Lexington Av., New York, N. Y.
Detroit Hdw. Mfg. Co., Detroit, Mich.
Frantz Mfg. Co., Sterling, Ill.
Graham Mfg. Co., Derby, Conn.
Griffin Mfg. Co., Erie, Pa.
Hager (C.) & Sons Hinge Mfg. Co., St. Louis, Mo.
Hall Mfg. Co., Cedar Rapids, Ia.
Hess (Chas.) Co., 49-14 Metropolitan Av., Bklyn., N. Y.
Independent Lock Co., Fitchburg, Mass. "Ilco"
Master Lock Co., 926 Juneau Av., Milwaukee, Wis.
McKinney Mfg. Co., Pittsburgh, Pa.
National Mfg. Co., Sterling, Ill.
Ney Mfg. Co., Canton, O.
Norwalk Lock Co., 12 Warren, New York, N. Y.
Pennsylvania Hdw. Co., Reading, Pa.
Reading Hdw. Co., Reading, Pa.
Reading Knob Wks., Reading, Pa. "Huber"
Richards-Wilcox Mfg. Co., Aurora, Ill.
Russell & Erwin Mfg. Co., New Britain, Conn. "Russwin"
Sager Lock Wks. of Yale & Towne Mfg. Co., N. Chicago, Ill.
Sargent & Co., New Haven, Conn.
Schlangen Mfg. Co., Chicago, Ill.
Segal Lock & Hdw. Co., Inc., 12 Warren, New York, N. Y.
Shelby Spring Hinge Co., Shelby, O.
Slaymaker Lock Co., Lancaster, Pa.
Stanley Wks., New Britain, Conn. "Kee Bolt" (Garage)
Starline, Inc., Harvard, Ill.
Steel Socket Shaft End Co., Cleveland, O.
Stover Mfg. & Engine Co., Freeport, Ill.
Thomas Mfg. Co., Newcastle, Ind.
Wagner Mfg. Co., Cedar Falls, Ia.
Wrightsville Hdw. Co., Wrightsville, Pa.
Yale & Towne Mfg. Co., Stamford, Conn.

LATCHES, Door, Barn

Albany Hdw. Specialty Mfg. Co., Albany, Wis. "Whitcomb"
Allith-Prouty Co., Danville, Ill. "Prouty"
Arcade Mfg. Co., Freeport, Ill. "Rex"
Bohannan (Wilson) Co., Marion, O. "Well Bilt"
Corbin, P. & F., New Britain, Conn.
Detroit Hdw. Mfg. Co., Detroit, Mich.
Fernald Mfg. Co., North East, Pa. "Security"
Frantz Mfg. Co., Sterling, Ill. "Positive"
Grey Iron Casting Co., Mt. Joy, Pa.
Hager (C.) & Sons Hinge Mfg. Co., St. Louis, Mo.
Hess (Chas.) Co., 49-14 Metropolitan Av., Bklyn., N. Y.
Hudson (H. D.) Mfg. Co., Chicago, Ill.
Lawrence Bros., Sterling, Ill.
Louden Machinery Co., Fairfield, Ia.
McKinney Mfg. Co., Pittsburgh, Pa.
Moeszinger-Marquis Hdw. Co., Clinton, Ia. "Peterson"
National Mfg. Co., Sterling, Ill.
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Penn Hdw. Co., Reading, Pa.

LATCHES, Door, Barn (Continued)

Porter (J. E.) Co., Ottawa, Ill.
Reading Hdw. Co., Reading, Pa.
Richards-Wilcox Mfg. Co., Reading, Pa.
Safety Door Hanger Co., Ashland, O.
Sargent & Co., New Haven, Conn.
Stanley Wks., New Britain, Conn. "Kee Bolt"
Starline, Inc., Harvard, Ill. "Harvard"
Stearns (E. C.) & Co., Syracuse, N. Y.
Stover Mfg. & Engine Co., Freeport, Ill.
Thomas Mfg. Co., Newcastle, Ind.
Wagner Mfg. Co., Cedar Falls, Ia. "Daisy"
Weller Hdw. & Foundry Co., Horseheads, N. Y.
Western Brass Mfg. Wks., Chicago, Ill.
Wrightsville Hdw. Co., Wrightsville, Pa.
Wrought Hdw. & Forging Co., Phila., Pa.

LATCHES, Door, Screen and Storm

Barrows Lock Wks. of Yale & Towne Mfg. Co., Lockport, Ill.
Bohannan (Wilson) Co., Marion, O. "Well Bilt"
Champion Hdw. Co., Geneva, O.
Corbin, P. & F., New Britain, Conn.
Frantz Mfg. Co., Sterling, Ill.
Frost (C. L.) & Son, Grand Rapids, Mich.
McKinney Mfg. Co., Pittsburgh, Pa.
National Brass Co., Grand Rapids, Mich. "Dexter"
Norwalk Lock Co., 12 Warren, New York, N. Y.
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Russell & Erwin Mfg. Co., New Britain, Conn. "Russwin"
Sager Lock Wks. of Yale & Towne Mfg. Co., N. Chicago, Ill.
Sargent & Co., New Haven, Conn.
Shelby Spring Hinge Co., Shelby, O.
Stanley Wks., New Britain, Conn.
Yale & Towne Mfg. Co., Stamford, Conn.

LATCHES, Dumb-Waiter

Segal Lock & Hdw. Co., Inc., 12 Warren, New York, N. Y.

LATCHES, Gate

Allith-Prouty Co., Danville, Ill.
Barrows Lock Works of Yale & Towne Mfg. Co., Lockport, Ill.
Bohannan (Wilson) Co., Marion, O. "Well Bilt"
Chantrell Hdw. & Tool Co., Reading, Pa.
Columbus Brass Co., Columbus, O.
Corbin, P. & F., New Britain, Conn.
Cyclone Fence Co., Waukegan, Ill.
Dent Hdw. Co., Fullerton, Pa.
Duffy Mfg. Co., Chicago, Ill. "Chicago"
Grey Iron Casting Co., Mt. Joy, Pa. "Donegal"
Hess (Chas.) Co., 49-14 Metropolitan Av., Bklyn., N. Y.
Independent Lock Co., Fitchburg, Mass.
Lockwood Mfg. Co., Fitchburg, Mass.
McKinney Mfg. Co., Metropolitan, Pittsburgh, Pa.
Penn Hdw. Co., Reading, Pa.
Sager Lock Wks. of Yale & Towne Mfg. Co., N. Chicago, Ill.
Sargent & Co., New Haven, Conn.
Schwartz (M.) & Sons Mfg. Co., Chicago, Ill.
Stanley Wks., New Britain, Conn.
Starline, Inc., Harvard, Ill.
Susquehanna Casting Co., Wrightsville, Pa.
Weller Hardware & Foundry Co., Horseheads, N. Y.
Wrightsville Hdw. Co., Wrightsville, Pa. "St. Louis," "Shepards"
Yale & Towne Mfg. Co., Stamford, Conn.

LATCHES, Night

Barrows Lock Works of Yale & Towne Mfg. Co., Lockport, Ill.
Best Universal Lock Co., Seattle, Wash.
Bohannan (Wilson) Co., Marion, O. "Well Bilt"
Chantrell Hdw. & Tool Co., Reading, Pa.
Clinton Lock Co., Clinton, Ia.
Corbin Cabinet Lock Co., New Britain, Conn.
Corbin, P. & F., New Britain, Conn.
Crown Lock Co., 420 Lexington Av., New York, N. Y.
Eagle Lock Co., Terryville, Conn.
Earle Hdw. Mfg. Co., Reading, Co. "Huber"
Four-Way Lock Co., Cleveland, O. "4-Way"
Fraim (E. T.) Lock Co., Lancaster, Pa. "Keystone"
Graham Lock Co., New Haven, Conn.
Graham Mfg. Co., Derby, Conn.
Independent Lock Co., Fitchburg, Mass. "Ilco"
Keil (Francis) & Son, 401 E. 163rd, New York, N. Y.
Lockwood Mfg. Co., Fitchburg, Mass.
Miller (J. Walter) Co., Lancaster, Pa.
Norwalk Lock Co., 12 Warren, New York, N. Y.
Penn Hdw. Co., Reading, Pa. "Heizmann"
Reliable Mfg. Co., New Haven, Conn. "Graham"
Russell & Erwin Mfg. Co., New Britain, Conn. "Russwin"
Safe Padlock & Hdw. Co., Lancaster, Pa.
Sager Lock Wks. of Yale & Towne Mfg. Co., N. Chicago, Ill.
Sargent & Co., New Haven, Conn.
Sargent & Greenleaf, Rochester, N. Y.
Segal Lock & Hdw. Co., Inc., 12 Warren, New York, N. Y.
Skillman Hdw. Mfg. Co., Trenton, N. J.
Slaymaker Lock Co., Lancaster, Pa.
Yale & Towne Mfg. Co., Stamford, Conn.

LATCHES, Screen Door—See Latches, Door, Screen

LATCHES, Secret Door

Bayer-Gardner-Himes Co., 101 Park Av., New York, N. Y.
Brunner & Co., 460 W. B'way, New York, N. Y.
Glynn-Johnson Corp., LaPorte, Ind.
Hagstrom Mfg. Co., Glen Cove, L. I., N. Y.
Johnson, A. M., 633 E. 15th, Bklyn., N. Y.

LATCHES, Shutter

Braun (J. G.) Co., Chicago, Ill.
Hess (Chas.) Co., 49-14 Metropolitan Av., Bklyn., N. Y.
McKinney Mfg. Co., Pittsburgh, Pa.
Western Brass Mfg. Co., Chicago, Ill.

LATCHES, Storm Door—See Latches, Door, Screen and Storm

LATCHES, Water Closet

Bommer Spring Hinge Co., 263 Classon Av., Bklyn., N. Y.
Chicago Spring Hinge Co., Chicago, Ill.
Corbin, P. & F., New Britain, Conn.
Ives (H. B.) Co., New Haven, Conn.
Norwalk Lock Co., 12 Warren, New York, N. Y.
Russell & Erwin Mfg. Co., New Britain, Conn. "Russwin"
Sargent & Co., New Haven, Conn.
Slaymaker Lock Co., Lancaster, Pa.
Yale & Towne Mfg. Co., Stamford, Conn.

LATH, Metal

Milcor Steel Co., Milwaukee, Wis. "Kuehn's," "Stay-Rib"

LATH, Metal, Expanded

Berger Mfg. Co., Canton, O. "Berloy"
Bostwick Steel Lath Co., Niles, O. "Truss-Loop"
Consolidated Expanded Metal Co., Wheeling, W. Va. "Steelcrete"
Edwards Mfg. Co., Cincinnati, O.
Fireproof Products Co., Inc., 536 E. 133rd, New York, N. Y.
General Fireproofing Co., Youngstown, O. "Herring-bone," "Key"
Kalman Steel Co., Inc., Chicago, Ill. "Kalmanath"
Klauer Mfg. Co., Dubuque, Ia.
Milcor Steel Co., Milwaukee, Wis. "Netmesh," "Smalmesh"
Northwestern Expanded Metal Co., Chicago, Ill. "Chanelath," "Kno-Burn"
Parkersburg Iron & Steel Co., Parkersburg, Pa.
Penn Metal Co., 41 E. 42nd, New York, N. Y. "Hampton," "Penco"
Porter Iron Roofing & Corrugating Co., Cincinnati, O.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Sharon Steel Hoop Co., Sharon, Pa. "Mahoning"
Souther (E. E.) Iron Co., St. Louis, Mo.
Special Service Flooring Co., 2009 Grand Central Terminal, New York, N. Y.
Sykes Metal Lath & Roofing Co., Niles, O.
Truscon Steel Co., Youngstown, O. "Hv-Rib"
Wheeling Corrugating Co., Wheeling, W. Va.
Wright (G. F.) Steel & Wire Co., Worcester, Mass. "Superior"

LATHE ARBORS—See Arbors, Chuck, Lathe

LATHE CHUCKS—See Chucks, Lathe

LATHE DOGS—See Dogs, Lathe

LATHE HATCHETS—See Hatchets, Lathe

LATHE JACKS—See Jacks, Planer

LATHE TOOL HOLDERS—See Holders, Tool, Lathe, Planer, Etc.

LATHE TOOLS—See Tools, Lathe

LATHES, Portable

Atlas Press Co., Kalamazoo, Mich.
Boice, William B. & John E., Toledo, O.
Delta Specialty Co., Milwaukee, Wis.
Gilbert (A. C.) Co., New Haven, Conn.
Heston & Anderson, Fairfield, Ia.
Marathon Elec. Mfg. Co., Wausau, Wis. "O. K."
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Porter-Cable-Hutchinson Corp., Syracuse, N. Y. "Hi-Speed"
Schauer Machine Co., Cincinnati, O. "Ideal"
South Bend Lathe Wks., South Bend, Ind.
Walker-Turner Co., Inc., Plainfield, N. J. "Driver"
Wallace (J. D.) & Co., Chicago, Ill.

LAUNDRY BASKETS—See Baskets, Laundry

LAUNDRY MACHINERY—See article desired

LAUNDRY STOVES—See Stoves, Laundry

LAUNDRY TRAY COCKS—See Cocks, Laundry Tray

LAUNDRY TRAY COVERS—See Covers, Laundry Tray

LAUNDRY TUBS—See Tubs, Laundry

LAUNDRY and WASH SETS, Toy—See Sets, Laundry and Wash, Toy

LAVA TIPS—See Tips, Gas Burner

LAVATORIES, Pedestal and Wall

Case (W. A.) & Son Mfg. Co., Buffalo, N. Y.
Clow (James B.) & Son, Chicago, Ill.
Crane Co., Chicago, Ill.
Humphryes Mfg. Co., Mansfield, O. "Mirard"
Mott (J. L.) Iron Wks., 535 5th Av., New York, N. Y.
Standard Sanitary Mfg. Co., Pittsburgh, Pa.
Trenton Potteries Co., Trenton, N. J.
United States Sanitary Mfg. Co., Pittsburgh, Pa.
Wheeling Sanitary Mfg. Co., Wheeling, W. Va.

LAVATORY BOLTS—See Hardware, Lavatory

LAVATORY BRACKETS—See Brackets, Lavatory

LAVATORY CLEANERS—See Cleaners, Pipe Tools

LAVATORY HARDWARE—See Hardware, Lavatory

LAWN CHAIRS—See Chairs, Lawn

LAWN EDGERS—See Edgers and Trimmers, Lawn

LAWN FENCE and GATES—See Fence and Gates, Lawn

LAWN FOUNTAINS—See Fountains, Lawn and Garden

LAWN FURNITURE—See Furniture, Garden, Lawn and Porch

LAWN MOWER GRASS CATCHERS—See Catchers, Grass, Lawn Mower

LAWN MOWER GRINDERS—See Grinders, Lawn Mower

LAWN MOWER HANDLES, Metal—See Handles, Lawn Mower, Metal

LAWN MOWER SHARPENERS—See Machines, Sharpening, Lawn Mower

LAWN MOWERS—See Mowers, Lawn

LAWN MOWERS, Hand, Sliding-Knife—See Mowers, Lawn, Hand, Sliding-Knife

LAWN RAKES—See Rakes, Garden or Lawn

LAWN ROLLERS—See Rollers, Lawn

LAWN SEED—See Seed, Lawn

LAWN SETTEES—See Furniture, Garden, Lawn and Porch

LAWN SIGNS—See Signs, Lawn

LAWN SPRAYERS—See Sprayers, Lawn

LAWN SPRINKLERS—See Sprinklers, Lawn

LAWN SWEEPERS—See Sweepers, Lawn

LAWN SWINGS—See Swings, Lawn

LAWN TENNIS—See Tennis

LAWN TRIMMERS—See Edgers and Trimmers, Lawn

LAWN UMBRELLAS—See Umbrellas, Beach, Lawn, Wagon, Etc.

LAWN VASES—See Vases, Lawn

LAWN WEEDERS—See Weeders, Garden and Lawn

LEAD, Antimonial

National Lead Co., 111 B'way, New York, N. Y.

LEAD ARSENATE

Bowker Chemical Co., 419 4th Av., New York, N. Y. "Disparene"
Chipman Chemical Engrg. Co., Bound Brook, N. J.
Cream City Chemical Co., Milwaukee, Wis.
General Chemical Co., 40 Rector, New York, N. Y. "Orchard Brand"
Grasselli Chemical Co., Cleveland, O.
Sherwin-Williams Co., Cleveland, O.
Standard Chemical Wks., Inc., Reading, Pa.
Toledo Rex Spray Co., Toledo, O. "Nu Rexform"

LEAD BANDS—See Traps and Bands, Lead

LEAD BARS—See Bars, Lead

LEAD, Caulking

National Lead Co., 111 B'way, New York, N. Y.

LEAD FLASHINGS—See Flashings, Lead

LEAD GASKETS—See Baskets, Lead

LEAD GOODS, Plumbers'

Eagle-Picher Lead Co., Cincinnati, O.
National Lead Co., 111 B'way, New York, N. Y.

LEAD HAMMER MOLDS—See Molds, Hammer, Soft Metal

LEAD JOINT RUNNERS—See Runners, Joint

LEAD-INS, Antenna—See Radio Antenna Lead-Ins

LEAD-LINED PIPES—See Pipes, Lead-Lined

LEAD-LINED VALVES—See Valves, Lead-Lined

LEAD PENCILS—See Pencils

LEAD, Pig

National Lead Co., 111 B'way, New York, N. Y.

LEAD PIPE—See Pipe, Lead

LEAD, Red

National Lead Co., 111 B'way, New York, N. Y. "Carter," "Dutch Boy"

LEAD, Sheet

American Lead Co., Pittsburgh, Pa.
American Smelting & Refining Co., San Francisco, Cal.
Blatchford (E. W.) Co., Chicago, Ill.
Clendenin Bros., Inc., Baltimore, Md.
Eagle-Picher Lead Co., Cincinnati, O.
Gardiner Metal Co., Chicago, Ill.
Lewis (John T.) & Bros. Co., Phila., Pa.
National Lead Co., 111 B'way, New York, N. Y.

LEAD SHOT—See Shot, Lead

LEAD SOLDIERS—See Soldiers, Toy

LEAD TRAPS—See Traps and Bands, Lead

LEAD WASHERS—See Washers, Lead

LEAD, White

(See also Paints)

Acme White Lead & Color Wks., Detroit, Mich.
Adams & Eltinge Co., Chicago, Ill.
Cambria Paint & Color Co., Johnstown, Pa.
Detroit White Lead Wks., Detroit, Mich.
Du Pont (E. I.) de Nemours & Co., Inc., Phila., Pa.
Eagle-Picher Lead Co., Chicago, Ill. "Sublime"
Euston Lead Co., Scranton, Pa.
French (Samuel H.) & Co., Inc., Phila., Pa.
Fuller (W. P.) & Co., Inc., San Francisco, Cal.
Glidden Co., Cleveland, O. "Anaconda"
Hammer Bros. White Lead Co., East St. Louis, Ill.
Hazard Lead Wks., Hazardville, Conn
Inland White Lead Co., Chicago, Ill.
Leavitt, Louis, 454 Driggs Av., Bklyn., N. Y. "Gold Seal," "Ritz Seal" (Combination)
Martin-Senour Co., Chicago, Ill.
National Lead Co., 111 B'way, New York, N. Y. "Carter," "Dutch Boy"
Wetherill & Bro., Phila., Pa.

LEAD WOOL—See Wool, Lead

LEADERS, Cattle

(See also Staffs, Bull, Leading)

Leavitt Mfg. Co., Urbana, Ill.
Pratt (Wm. E.) Mfg. Co., Chicago, Ill. "Perfect"
Sargent & Co., New Haven, Conn.
Scully, Jas., Pomeroy, Pa. "Keystone"
Smith (Seymour) & Son, Inc., Oakville, Conn. "Welton"
Stearns (E. C.) & Co., Syracuse, N. Y. "Stearns Ecsco"
Wagner Specialty Co., Burlington, Wis. "Kow Tow"

LEADERS, Fishing

Abbey & Imbrie, Utica, N. Y.
Enterprise Mfg. Co., Dept. HA, Akron, O. "Flashpin," "Gold Medal," "Gut-Trolling," "Muskibass," "Never-Break," "Pfleuger Bull Dog," "Premium," "Standard," "Superior"
Hildebrant (J. J.) Co., Logansport, Ind. "Not-A-Knot"
Horrocks-Ibbotson Co., Dept. S, Utica, N. Y.
Kewell (Chas. H.) Co., San Francisco, Cal.
Maus, Geo. H., Amsterdam, N. Y. "Gold Medal"
Mills (Wm.) & Son, 21 Park Place, New York, N. Y.
Montague Rod & Reel Co., Montague City, Mass.
Pipe & Taft, Seattle, Wash. "Phantom"
Shakespeare Co., Kalamazoo, Mich.
Tooley, L. J., Detroit, Mich.
Weber Lifelike Fly Co., Stevens Point, Wis. "Tiedrite"

LEADS, Dog

American Chain Co., Bridgeport, Conn. "Acco"
Baltimore Leather Goods Co., Baltimore, Md.
Brauer Bros., Inc., St. Louis, Mo.
Bridgeport Chain & Mfg. Co., Bridgeport, Conn.
Chain Products Co., 3290 Cooper Av., Cleveland, O. "Hodell"
Corbin Screw Corp., New Britain, Conn.
Craftsman Leather Specialty Co., Dayton, O.
Decker (J. C.), Inc., Montgomery, Pa.
Economy Mfg. Co., Phila., Pa.
Graton & Knight Co., Worcester, Mass.
Greenberg & Josefsberg Mfg. Co., 20 W. 23rd, New York, N. Y. "G. & J." (Reel)
Lefkowitz (Louis) & Bros., 1 Greene, New York, N. Y.
McKinnon Chain Co., Buffalo, N. Y.
Ney Mfg. Co., Canton, O.
Pine, Geo. D., 89 Chambers, New Yrok, N. Y.
Russell Mfg. Co., Middletown, Conn.
Schaefer, A. W., 323 St. Nicholas Av., Bklyn., N. Y.
Spratt's Patent, Ltd., 14 Congress, Newark, N. J.
Standard Belt Co., Chelsea, Mass.
Stevens (W. B.) & Son, 33 Warren, New York, N. Y.
Wright Specialty Mfg. Co., St. Louis, Mo.
Wyeth Hdw. & Mfg. Co., St. Joseph, Mo.

LEADS, Net

National Lead Co., 111 B'way, New York, N. Y.

LEAF BASKETS—See Baskets, Leaf

LEATHER BELTING—See Belting, Leather

LEATHER CASES—See Cases, Comb, Nail File, Etc.

LEATHERCRAFT TOOLS—See Tools, Leathercraft

LEATHER CRAYONS—See Crayons, Leather

LEATHER DOLLS—See Dolls, Leather

LEATHER FILLET—See Fillet, Leather

LEATHER GUARDS—See Guards, Leather, Runner

LEATHER HEELS—See Soles and Heels, Leather

LEATHER HORSE SHOE PADS—See Pads, Horse Shoe, Leather

LEATHER LEGGINGS—See Leggings, Leather

LEATHER PRESERVERS—See Preservers, Metal, Wood, Leather, Etc.

LEATHER PUMP BUCKETS—See Buckets, Pump, Leather

LEATHER PUNCHES—See Punches, Belt and Saddlers'

LEATHER SOLES—See Soles and Heels, Leather

LEATHER STRAPS—See Straps, Leather

LEATHER VALVES—See Valves, Leather

LEATHER WASHERS—See Washers, Leather

LEATHER WRIST BANDS—See Bands, Wrist, Leather

LEATHERS, Pump

Chicago Belting Co., Chicago, Ill. "Black Polish," "Special," "Sterling"
Graton & Knight Co., Worcester, Mass.
Hess & Hopkins Leather Co., Rockford, Ill. "Honest Leather"
Houghton (E. F.) & Co., Phila., Pa. "Vim"
Judd & Leland Mfg. Co., Clifton Springs, N. Y.
Kendrick Valve & Washer Co., Syracuse, N. Y.
Mark Mfg. Co., Chicago, Ill.
Michigan Leather Packing Co., Detroit, Mich.
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O.
Norwich Belt Mfg. Co., Norwich, Conn.
Nott (W. S.) Co., Minneapolis, Minn.
Palmer (N.) & Co., Bridgeport, Conn.
Sherman (H. B.) Mfg. Co., Battle Creek, Mich.
Simplex Mfg. Co., Auburn, N. Y.
Williams (I. B.) & Sons, Dover, N. H.

LEG BANDS, Poultry—See Bands, Leg, Poultry

LEG GUARDS—See Guards, Leg

LEG IRONS—See Handcuffs, Twisters, Leg Irons, Etc.

LEGGINGS, Canvas

Alward-Anderson-Southard Co., Chicago, Ill.
Clark (Chas. F.), Inc., Chicago, Ill.
Drybak Corp., Binghamton, N. Y.
Hagerstown Shoe & Legging Co., Hagerstown, Md.
Hill (Richard F.) & Son, Newark, N. J.
Loewenberg Co., Newark, N. J.
Red Head Brand Co., Chicago, Ill.
Summers Mfg. Co., Los Angeles, Cal.
Utica-Duxbak Corp., Utica, N. Y.

LEGGINGS, Leather

Brauer Bros., Inc., St. Louis, Mo.
Clark (Chas. F.), Inc., Chicago, Ill.
Colt-Cromwell Co., Inc., 1239 B'way, New York, N. Y.
Habanix Leather Products Co., Toledo, O.
Hagerstown Shoe & Legging Co., Hagerstown, Md.
Lefkowitz (Louis) & Bro., 1 Greene, New York, N. Y.
Rohde-Spencer Co., Chicago, Ill.
Smith Worthington Co., Hartford, Conn.
Southern Saddlery Co., Chattanooga, Tenn.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Williams Mfg. Co., Portsmouth, O.
Wyeth Hdw. & Mfg. Co., St. Joseph, Mo.

LEGS, Bench

Angle Steel Stool Co., Plainwell, Mich.
Bossert Corp., Utica, N. Y.
C. M. B. Wrench Co., Garwood, N. J.
Chicago Hdw. Foundry Co., N. Chicago, Ill.
Cleveland Wire Spring Co., Cleveland, O.
Lamothe (Edward J.) Co., Inc., Somerville, Mass. "Lamco"
Lupton's (David) Sons Co., Phila., Pa.
Manufacturing Equipment & Engineering Co., Framingham, Mass. (Steel)
New Britain Mach. Co., New Britain, Conn.
Standard Pressed Steel Co., Jenkintown, Pa.
Toledo Pressed Steel Co., Toledo, O.

LEMON SERVERS—See Servers, Lemon

LEMON SQUEEZERS—See Squeezers, Lemon

LETTERS, Luminous—See Numbers and Letters, Luminous

LETTERS, Metal—See Numbers and Letters, Metal

LETTERS, Sign

Artistic Metal Letter Co., Malden, Mass. (Interchangeable)
Cambridge Tile Mfg. Co., Covington, Ky. "Everbrite" (Tile)
Imperial Brass Mfg. Co., 1200 W. Harrison, Chicago, Ill.
Knight (H. W.) & Son, Seneca Falls, N. Y.
Ready Made Sign Co., 45 E. 17th, New York, N. Y.

LETTERS and FIGURES, Steel Stamping

Boker (H.) & Co., 101 Duane, New York, N. Y.
Dickey Grabler Co., Cleveland, O.
Greenfield Steel Stamp Wks., Greenfield, Mass.
Hoggson & Pettis Mfg. Co., New Haven, Conn.
Knight (H. W.) & Son, Seneca Falls, N. Y.
New York Stencil Wks., 46 Vesey, New York, N. Y.
Noble & Westbrook Mfg. Co., E. Hartford, Conn.
Numberball Stamp & Tool Co., Inc., Huguenot Park, Staten Island, N. Y. (Rotary)
Stafford (N.) Co., 53rd and 1st Av., Bklyn., N. Y.
U. S. Hdw. & Mfg. Co., Pawtucket, R. I

LEVEL GLASSES, SPIRIT—See Glasses, Spirit Level

LEVEL SIGHTS—See Sights, Level

LEVELS

Aldon Co., Chicago, Ill. (Track)
Bedortha Bros., Windsor, Conn.
Bronson Level Co., Bronson, Mich.
Central Hdw. Co., Phila., Pa.
Champion Hdw. Co., Geneva, N. Y.
Chapin-Stephens Co., Pine Meadows, Conn. "C-S Co"
Dietzgen (Eugene) Co., Chicago, Ill.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Eden Level Corp., 12 Warren, New York, N. Y.
Empire Level Mfg. Co., 301 1st Av., Milwaukee, Wis.
Exact Level & Tool Mfg. Co., High Bridge, N. J. "High Bridge"
Gurley, W. & L. E., Troy, N. Y.
Iron City Tool Wks., Pittsburgh, Pa. (Track)
Mayes Bros. Tool Mfg. Co., Port Austin, Mich.
Millers Falls-Goodell Pratt Co., Greenfield, Mass. "Accurate," "Richardson," "Straton"
Ober Mfg. Co., Chagrin Falls, O.
Peerless Level & Tool Co., Sterling, Ill.
Pioneer Level Co., Detroit, Mich.
Putnam Mach. Co., Fitchburg, Mass.
Rudolff Level Co., Bayonne, N. J.
Sand's Level & Tool Co., Detroit, Mich. "Star" (Aluminum)
Sawyer Tool Mfg. Co., Ashburnham, Mass.
Stanley Wks., New Britain, Conn.
Starrett (L. S.) Co., Athol, Mass. "Master"
Tallman Mfg. Co., Shelbyville, Ill. "Standard" (Track)
Track Specialties Co., Inc., 1775 B'way, New York, N. Y. "Trasco" (Track)
Velander, Otto A., Chicago, Ill. "Chicago"
Wissler Instrument Co., St. Louis, Mo. (Transit)
Wooding-Verona Tool Wks., Verona, Pa.

LEVELS, Bit and Square

Stanley Wks., New Britain, Conn.
Stearns (E. C.) & Co., Syracuse, N. Y.

LEVELS, Farm

Bostrom-Brady Mfg. Co., Atlanta, Ga.
Geier & Bluhm, Inc., Troy, N. Y. "Wye"
Keuffel & Esser Co., Hoboken, N. J. "K & E Favorite"
Kolesch & Co., 138 Fulton, New York, N. Y.
Mayes Bros. Tool Mfg. Co., Port Austin, Mich.
Stanley Wks., New Britain, Conn.
Starrett (L S.) Co., Athol, Mass.
White (David) Co., Milwaukee, Wis.

LEVELS, Pocket

Disston (Henry) & Sons, Inc., (Tacony) Phila., Pa.
Empire Level Mfg. Co., Milwaukee, Wis.
Mayes Bros. Tool Mfg. Co., Port Austin, Mich.
Peerless Level & Tool Co, Sterling, Ill.
Sand's Level & Tool Co., Detroit, Mich. "Stevens"
Stanley Wks., New Britain, Conn.
Starrett (L. S.) Co., Athol, Mass.

LEVELS SQUARE—See Levels, Bit and Square

LICENSE BRACKETS—See Brackets, License

LICENSE PLATE FASTENERS—See Fasteners, License Plate

LIFE PRESERVERS—See Preservers, Life

LIFTERS, Cooking Utensil

Darling's Sheet Metal Works, Walton, N. Y. "Perfection"
Handy Holder Co., Cleveland, O.
Hughes & Beauregard Co., Boston, Mass. "So-E. Z."
Hutchison Engineering Co., Chicago, Ill. "No Burn"
Little Gem Mfg. Co., Wert, O. (Oven Scoop)
Mayvin Mfg. Co., Medina, N. Y.
Ritzenthaler, John, 73 Franklin, New York, N Y.
Washburn Company, Worcester, Mass.

LIFTERS, Jar

Central West Products Co., Niobrara, Nebr. "Bonge"
Eureka Jar Co., Boston, Mass.
Hamblin & Russell Mfg. Co., Worcester, Mass. "Hold-Fast"
Kerr Glass Mfg. Corp., Sand Springs, Okla. "Economy"
Lincoln-Ray Mfg. Co., Inc., Springfield, Mass. "Grip-Tite"
Sommer (J. L.) Mfg. Co., 251 New Jersey Railroad Av., Newark, N. J.
Stockland-Hamery Corp., Minneapolis, Minn.
Union Steel Products Co., Albion, Mich. "Sure Grip"
Washburn Company, Worcester, Mass. "Liberty"

LIFTERS, Milk Cap

Vaughan Novelty Mfg. Corp., Chicago, Ill. "Dairy"

LIFTERS, Stove Lid

Adams Co., Dubuque, Ia.
Arcade Mfg. Co., Freeport, Ill.
Fanner Mfg. Co., Cleveland, O. "Arctic"
Gray Iron Foundry Co, Reading, Pa.
Grey Iron Casting Co., Mt. Joy, Pa. "Cold Handle," "Favorite," "My Choice"
Hamblin & Russell Mfg. Co., Worcester, Mass. "Crown," "Grip"
Hills, Edwin, Plainville, Conn.
Imboden (I. C.) Mfg. Co., Cleona, Pa. "Handy"
Lynd (L. E.) Mfg. Co., Mechanicsville, N. Y. "Zero"
Marcy Foundry Co., 74 Beekman, New York, N. Y.
New York Stamping Co., N. 11th & Berry Sts., Bklyn, N. Y. "Zero"
Nicol & Co., Chicago, Ill. "N & Co. Arctic"
Parker Wire Goods Co., Worcester, Mass.
Phillips & Buttorff Mfg. Co., Nashville, Tenn.
Racine Iron & Wire Wks., Racine, Wis.
Ritch & Pidge Mfg. Co., Fultonville, N. Y. "Never-Slip"
Stover Mfg. & Engine Co., Freeport, Ill. "Ideal"
Washburn Company, Worcester, Mass. "Eclipse"
Williams (A. C.) Co., Ravenna, O.
Wrightsville Hardware Co., Wrightsville, Pa.

LIFTERS, Transom—See Lifts, Transom

LIFTERS, Valve, Automobile

Banner Accessory Mfg. Co., St. Louis, Mo.
Bridgeport Hdw. Mfg. Corp., 200 Seaside Park, Bridgeport, Conn. "Bull Pup," "Fay," "Fay-oh-Rite"
Fairmount Tool & Forging Co., Cleveland, O.
Ideal Clamp Mfg. Co., 200 Bradford, Bklyn, N. Y.
Indestro Mfg. Co., Chicago, Ill.
K. D. Mfg. Co., Lancaster, Pa.
Mapson Mfg. Co., Los Angeles, Cal. "Perfection"
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Milwaukee Tool & Forge Co., South Milwaukee, Wis.
Vlchek Tool Co., 3006 E. 87th, Cleveland, O.
Zim Mfg. Co., Chicago, Ill.

LIFTS, Ash—See Hoists, Ash

LIFTS, Basement—See Lifts, Fuel and Basement

LIFTS, Correspondence

Sedgwick Mach. Wks., 160 W. 15th, New York, N. Y.

LIFTS, Fuel and Basement

Sedgwick Mach. Wks., 160 W. 15th, New York, N. Y.
Sidney Elevator Mfg. Co., Sidney, O.

LIFTS, Invalid—See Elevators, Invalid

LIFTS, Sash

Acklin Stamping Co., Toledo, O.
American Brass Goods Co., Grand Rapids, Mich.
Artistic Bronze Co., Bridgeport, Conn.
Barrows Lock Works of Yale & Towne Mfg. Co., Lockport, Ill.
Brainerd Mfg. Co., East Rochester, N. Y.
Brass Goods Mfg. Co., 345 Eldert, Bklyn, N. Y.
Champion Hardware Co., Geneva, O.
Cleveland Lock Works, Cleveland, O.
Clinton Lock Co., Clinton, Ia.
Corbin, P. & F., New Britain, Conn.
Dent Hardware Co., Fullerton, Pa.
Excelsior Tool & Mfg. Co., 881 E. 147th, New York, N. Y.
Fiwale Equipment Mfg. Co., Inc., 64 Reade, New York, N. Y.
Frantz Mfg. Co., Sterling, Ill.
Goldhill Hardware Mfg. Co., Los Angeles, Calif.
Grey Iron Casting Co., Mt. Joy, Pa.
Griffin Mfg. Co., Erie, Pa.
Ives (H. B.) Co., New Haven, Conn.
Kersten Co., Inc., Chicago, Ill.
Larson, Chas. O., Sterling, Ill.
Laughlin (Thos.) Co., 199 Fore, Portland, Me.
Lawrence Bros., Sterling, Ill.
Lockwood Mfg. Co., Fitchburg, Mass.
McKinney Mfg. Co., Pittsburgh, Pa.
National Brass Co., Grand Rapids, Mich.
National Lock Co., Rockford, Ill.
National Mfg. Co., Sterling, Ill.
Norwalk Lock Co., 12 Warren, New York, N. Y.
Parker Wire Goods Co., Worcester, Mass.
Payson Mfg. Co., Chicago, Ill.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Rostand Mfg. Co., Railroad Av., Milford, Conn.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sager Lock Works of Yale & Towne Mfg. Co., North Chicago, Ill.
Sargent & Co., New Haven, Conn.
Schlangen Mfg. Co., Chicago, Ill.
Sharon Hardware Mfg. Co., Sharon, Pa.
Shelby Metal Products Co., Shelby, O,
Shelby Spring Hinge Co., Shelby, O.
Skillman Hdw. Mfg. Co., Trenton, N. J.
Stanley Wks., New Britain, Conn.
Stover Mfg. & Engine Co., Freeport, Ill.
Washburn Company, Worcester, Mass.
Wilcor-Wyman-O'Rourke Co., Chicago, Ill.
Wrightsville Hdw. Co., Wrightsville, Pa.
Yale & Towne Mfg. Co., Stamford, Conn.

LIFTS, Skylight

Bohem Mfg. Co., Phila., Pa.
Corbin, P. & F., New Britain, Conn.
Danzer Metal Wks., Hagerstown, Md.
Eagle Brass Foundry Co., Seattle, Wash.
Laughlin (Thos.) Co., Portland, Me.
Payson Mfg. Co., Chicago, Ill.
Sargent & Co., New Haven, Conn.

LIFTS AND TAPS—See Soles and Heels

LIFTS, Transom

Clinton Lock Co., Clinton, Ia.
Corbin Cabinet Lock Co., New Britain, Conn.
Corbin, P. & F., New Britain, Conn.
Ormsby (E. A.) & Sons, Melrose, Mass.
Payson Mfg. Co., Chicago, Ill. "Simplex"
Penn Hardware Co., Reading, Pa.
Putnam (W. E.) Co., Inc., Worcester, Mass.
Reading Hdw. Co., Reading, Pa.
Rixson (Oscar C.) Co., Chicago, Ill.
Russell & Erwin Mfg. Co., New Britain, Conn. "Russwin"
Sargent & Co., New Haven, Conn.
Yale & Towne Mfg. Co., Stamford, Conn.

LIFTS, Trunk—See Lifts, Fuel and Basement

LIGHT JOB STAMPINGS—See Stampings, Light Job

LIGHT MATERIAL CONVEYORS—See Conveyors, Light Material

LIGHTERS, Cigar, Electric

Casco Products Corp., Bridgeport, Conn.
Chicago Flexible Shaft Co., Chicago, Ill. "Sunbeam Smokemaster"
Circle F. Mfg. Co., Trenton, N. J. "Quick-Lite"
Cowles (C.) & Co., New Haven, Conn.
Cuno Eng'g Corp., Meriden, Conn.
Electracraft Corp., Boston, Mass. "Tippit"
Electric Automatic Cigar Lighter Co., 542 W. 27th, New York, N. Y. "Cig-R-Lite"
Garl Electric Co., Akron, O.
General Appliance Co., Phila., Pa.
Mabey Electric & Mfg. Co., Indianapolis, Ind. "Century"
Manning, Bowman & Co., Meriden, Conn.
Metal Specialties Mfg. Co., Chicago, Ill. "Clamp-On," "Presto," "Presto Junior"
Morse, Frank W., Boston, Mass.
Queensboro Tool & Die Co., 1143 4th Av., Long Island City, N. Y. "Auto-Spark-Lite"
Remo Corp., Meriden, Conn. "Remoliter"
Rodale Mfg. Co., 200 Hudson, New York, N. Y.
Rosen (A. W.) & Co., 418 E. 106th, New York, N. Y. "Rosco"
Seymour Products Co., Seymour, Conn. "Red-I-Lite"
Stewart-Warner Corp., Chicago, Ill. "Pass-A-Lite" (Wireless)
Tassel-Liter Co., Cleveland, O.
Taylor (H. D.) Co., Buffalo, N. Y. "Gohring"
U. S. Electric Mfg. Corp., 222 W 14th, New York, N. Y.

LIGHTERS, Fire

Howes (S. M.) & Co., Boston, Mass. "Mayflower"
Jackson (Edwin A.) & Bro., 50 Beekman, New York, N. Y.

LIGHTERS, Fuse

Ensign-Bickford Co., Simsbury, Conn.

LIGHTERS, Gas

Acme Metal Goods Mfg. Co., 2 Orange, Newark, N. J.
Amico Novelty Corp., 16 W. 22nd, New York, N. Y. "Circofile," "Everlite," "Fotoflash," "Rotax," "Spitfire"
Gas Range Appliance Co., 247 W. 34th, New York, N. Y. "Star Pilot"
Gordon Mfg. Co., 110 E. 23d, New York, N. Y.
Houchin (Thos. W.) Co., 309 9th, Jersey, City, N. J.
Hy-Test Pilot Light Co., 16 W. 22nd, New York, N. Y.
Milwaukee Gas Specialty Co., Milwaukee, Wis. "Rutz" (Push Button)
New Method Mfg. Co., Bradford, Pa. "Magic"
New Process Metal Corp., 46 Center, Newark, N. J. "Liberty" (Wire)
Safety Gas Lighter Co., Lynn, Mass.
Shoot-A-Lite Corp., 118 E. 28th, New York, N. Y.

LIGHTING PLANTS, Farm

A. C. Electric Mfg. Co., Dayton, O.
Alamo Farm Light Co., Chicago, Ill. "Silent Alamo"
Allis-Chalmers Mfg. Co. (West Allis), Milwaukee, Wis.
American Battery Co., Chicago, Ill.
American Farm Equipment Co., Williamsport, Pa.
Automatic Electrical Devices Co., Cincinnati, O. "All-Purpose"
Bingham-Lorimer Mfg. Co., Troy, O. "Home Service" (Gas)
Chambers Mfg. Co., Butler, Pa.
Cushman Motor Wks., Lincoln, Neb.
Delco Appliance Corp., Rochester, N. Y.
Delco-Light Co., Dayton, O.
Dodge (H. C.), Inc., Boston, Mass. "D-Light"
Electric Auto-Lite Corp., Toledo, O. "Willys"
Fairbanks, Morse & Co., Chicago, Ill. "Home Light"
General Electric Co., Schenectady, N. Y.
Honeycut Battery Corp., Kansas City, Mo.
Ker-o-el Sales Co., Cleveland, O.
Kewanee Private Utilities Co., Kewanee, Ill.
Kohler Co., Kohler, Wis.
Langstadt-Meyer Co., Appleton, Wis.
Lauson-Lawton Co., De Pere, Wis.
Linderman Steel & Mach. Co., Dayton, O. "Electrion"
Marco Light & Power Corp., Chicago, Ill.
Niagara Motor Corp., Dunkirk, N. Y.
Northlite Mfg. Co., Chippewa Falls, Wis.
Onan (D. W.) & Sons, Minneapolis, Minn.
Phelps Lighting & Power Co., Rock Island, Ill.
Premier Electric Co., Chicago, Ill.
Radiant Mfg. Co., Sandusky, O.
Regal Gasoline Engine Co., Coldwater, Mich.
Rural Electrical Equip. Co., Canton, Pa. "Reeco"
Stearns Motor Mfg. Co., Ludington, Mich.
Suburban Lighting Co., Toledo, O.
Superior Engineering Co., Pittsburgh, Pa.
Swartz Electric Co., Indianapolis, Ind.
United Engineering Co., Lansing, Mich.
University Battery Co., Chicago, Ill.
Universal Motor Co., Oshkosh, Wis. "Unimote"
Universal Products Co., Oshkosh, Wis. "Upco"
Warnerlite Co., Pasadena, Cal.
Western Cable & Light Co., Baldwin, Wis. "Wesco"
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.

LIGHTING FIXTURES—See Fixtures, Lighting

LIGHTING UNITS, Refrigerator—See Refrigerator, Lighting Units

LIGHTNING ARRESTORS, Radio—See Radio Lightning Arrestors

LIGHTNING RODS—See Rods, Lightning

LIGHTS, Flash, Electric—See Flashlights

LIGHTS, Parking

Cowles (C.) & Co., New Haven, Conn.
Culver-Stearns Mfg. Co., Worcester, Mass. "C-S"
Dietz (R. E.) Co., 60 Laight, New York, N. Y. "Eureka"
General Machinery & Specialty Co., Baltimore, Md. "Groco"
I-F Mfg. Co., Baltimore, Md.
Johnson (T. S.) Sons Co., Phila., Pa.

LIGHTS, Parking (Continued)

K-D Lamp Co., Cincinnati, O.
Metal Spinning & Plating Co., Baltimore, Md. "Victory"
Perkins Marine Lamp Corp., 1943 Pitkin Av., B'klyn, N. Y. "Perco"
Price Automotive Specialties Co., Phila., Pa. "Acme"
Rose Mfg. Co., Phila., Pa. "Neverout"
Smith (F. A.) Mfg. Co., Rochester, N. Y.
Taylor-Southard Co., Milwaukee, Wis.

LIGHTS, Tail, Acetylene, Automobile

Dietz (R. E.) Co., 60 Laight, New York, N. Y. "Convoy"

LIGHTS, Tail, Automobile

Acme Mfg. & Gasket Co., Phila., Pa. "Catseye"
American Chain Co., Inc., Bridgeport, Conn. "Sho-Lite"
Bersted Mfg. Co., Chicago, Ill.
Brown (Jno. W.) Mfg. Co., Columbus, O.
Culver-Stearns Mfg. Co., Worcester, Mass.
Dietz (R. E.) Co., 60 Laight, New York, N. Y. "Vigilan"
Edmunds & Jones Corp., Detroit, Mich.
Ideal Clamp Mfg. Co., 200 Bradford, B'klyn, N. Y.
Indiana Lamp Co., Connersville, Ind.
K-D Lamp Co., Cincinnati, O.
Woodworkers' Hardware Mfg. Co., Chicago, Ill. "Safe-T-Lite"

LINE REELS—See Reels, Line; also Reels, Fishing

LINES, Awning

Empire Twine & Yarn Co., Inc., 70 Thomas, New York, N. Y.
Hooper (Wm. E.) & Sons, Phila., Pa. "Imperial," "Sterling"
Samson Cordage Works, 89 Broad, Boston, Mass.
Silver Lake Co., Newtonville, Mass.

LINES, Chalk and Masons'

Ashaway Line & Twine Mfg. Co., Ashaway, R. I.
Brownell & Co., Moodus, Conn.
Carpenter Mfg. Co., Norwich, Conn.
Cleveland Mill & Power Co., Lawnsdale, N. C.
Draper (W. H.) & Sons, Inc., Troy, N. Y.
Empire Twine & Yarn Co., Inc., 70 Thomas, New York, N. Y. "Triton"
Fricke (J. E.) Co., Phila., Pa.
Gladding (B. F.) & Co., Inc., South Otselic, N. Y.
Hooper (Wm. E.) & Sons Co., Phila., Pa.
Horrocks-Ibbotson Co., Dept S., Utica, N. Y.
Lees Mfg. Co., Westport, Conn. "Favorite"
Ridgely Trimmer Co., Springfield, O.
Samson Cordage Works, 89 Broad, Boston, Mass.
Seymour Products Co., Seymour, Conn "Eastman" (Self Chalking)
Silver Lake Co., Newtonville, Mass.
Standard Crayon Mfg. Co., Danvers, Mass.
Tennessee Line & Twine Co., Elizabethton, Tenn.
Turner & Stanton Co., Norwich, Conn.

LINES, Clothes

Aluminum Co., of America, Pittsburgh, Pa. (Aluminum)
American Mfg. Co., Noble & West, B'klyn, N. Y. "American"
American Steel & Wire Co., 208 La Salle, Chicago, Ill. (Wire)
American Wire Fabrics Corp., 41 E. 42nd, New York, N. Y. "Wissco"
Anniston Cordage Co., Anniston, Ala.
Belfont Steel & Wire Co., Ironton, O. (Steel Galvanized)
Carpenter Mfg. Co., Norwich, Conn.
Cleveland Mill & Power Co., Lawndale, N. C.
Columbian Rope Co., 352 Genesee, Auburn, N. Y. "Diamond," "Klean Klose," "Yucatan"
Copperweld Steel Co., Glassport, Pa. (Wire)
Cyclone Fence Co., Waukegan, Ill.
Empire Twine & Yarn Co., Inc., 70 Thomas, New York, N. Y.
Estes Mills, Fall River, Mass. "Bargain," "Bristol," "Business," "Eureka," "Export," "Granite," "J. H. E.," "Markdown," "Merchant," "Niagara," "Winner"
Fricke (J. E.) Co., Phila., Pa. "Emory," "Jefferson"
Granite Cordage Co., Hickory, N. C.
Hoffman Lion Mills Co., 485 Washington, New York, N. Y. "Cyclone"
Holden, James, Fall River, Mass.
Hooper (Wm. E.) & Sons Co., Phila., Pa. "Parkdale," "Sterling," "Sturdee"
Hooven & Allison Co., Xenia, O.
Indiana Steel & Wire Co., Muncie, Ind. (Wire)
January & Wood Co., Maysville, Ky.
Malin & Co., Cleveland, O. (Wire)
Mallison Braided Cord Co., Athens, Ga.
Massasoit Mfg. Co., Fall River, Mass.
Mordt Co., Chicago, Ill. "Silken Hemp"
Plymouth Cordage Co., North Plymouth, Mass.
Puritan Cordage Mills, Louisville, Ky.
Rugg (E. T.) Co., Newark, O. "Snow-White"
St. Louis Cordage Mills, St. Louis, Mo.
Samson Cordage Works, 89 Broad, Boston, Mass. "Acme," "Black-Bird," "Blue Bird," "Columbia," "Eagle," "Tite-Rope"
Sanderson, L. M., Haydenville, Mass.
Schlichter Jute Cordage Co., Phila., Pa.
Silver Lake Co., Newtonville, Mass. "Cherokee," "Domestic," "Garden City," "Hardwear," "Silver Lake"
Small Bros., Fall River, Mass.
Southern Mills Corp., Oxford, Ala.
Tate (E. H.) Mop & Cordage Co., Boston, Mass. "Best Quality"
Tate Mfg. Co., Boston, Mass. "Tatespun"
Toohey (M. J.) & Co., Fall River, Mass.
Tribble Cordage Mills, Boston, Mass.
Tubbs Cordage Co., San Francisco, Cal.
Turner & Stanton Co., Norwich, Conn.
Wheeling Corrugating Co., Wheeling, W. Va. (Wire)
Whitaker (Wm. D.) & Sons, Phila., Pa. "Alpha"
Whitlock Cordage Co., 46 South, New York, N. Y.
Wickwire Spencer Steel Co., Inc., 41 E. 42d, New York, N. Y. "Wissco" (Wire)
Wright (G. F.) Steel & Wire Co., Worcester, Mass. (Wire) "Superior"
Yawgo Line & Twine Co., Rockville, R. I.

LINES, Fishing

Abbey & Imbrie, Utica, N. Y.
Ashaway Line & Twine Co., Ashaway, R. I. "A. J's. Soft Finish," "Crandall's American Finish," "Extra Strength," "Hand-E-Line," "Joseph Jefferson," "Original Cuttyhunk," "Starling," "Swastika," "Wincheck," "Zane Grey"
Bevin-Wilcox Co., East Hampton, Conn. "Pilot"
Cortland Line Co., Cortland, N. Y. "Cortline"
Draper (W. H.) & Sons, Inc., Troy, N. Y.
Duff, Charles H., Rockland, Me.
Emar Mfg. Co., Linden, N. J.
Empire Twine & Yarn Co., Inc., 70 Thomas, New York, N. Y. "Triton"
Enterprise Mfg. Co., Dept. HA, Akron, O. "Athea," "Challenge," "Chancellor," "Charter," "Cuttyhunk," "Domino," "Esther," "Laqueen," "Neversink," "Nonpareil," "Non-such," "Oriole," "Pflueger Bull Dog," "Plexus," "Silver Bell," "Tribune," "Viking"
Eppinger, Lou. J., Detroit, Mich. "Eppinger," "Nostealum," "Osprey"
Gladding (B. F.) & Co., Inc., South Ostelic, N. Y.
Go-Ite Mfg. Co., Flint, Mich.
Hall Rod Wks., Highland Mills, N. Y.
Heddon's (Jas.) Sons, Dowagiac, Mich.
Hildebrandt (J. J.) Co., Logansport, Ind.
Horrocks-Ibbotson Co., Dept. S., Utica, N. Y.
Horton Mfg. Co., Bristol, Conn. "Kingfisher"
Linen Thread Co., 200 Hudson, New York, N. Y.
Mansfield (G. H.) & Co., Canton, Mass.
Newton Line Co., Homer, N. Y. "Mermaid"
Paw Paw Bait Co., Paw Paw, Mich.
Pawtucket Braided Line Co., Pawtucket, R. I.
Shakespeare Co., Kalamazoo, Mich.
South Bend Bait Co., South Bend, Ind. "Jovaline," "Oreno"
Tennessee Line & Twine Co., Elizabethton, Tenn.
United States Line Co., Westfield, Mass. "Best by Test," "Black Prince," "Ideal Trout," "Japanoid," "Jenny Lind," "Perfection," "Professor"
Wood (T. H.) Co., South Coventry, Conn. "Good Luck" (Silk)
Yawgo Line & Twine Co., Rockville, R. I.

LINES, Fishing, Casting

Abbey & Imbrie, Utica, N. Y. "Lake Shore," "Lustre Finish"
Ashaway Line & Twine Co., Ashaway, R. I.
Enterprise Mfg. Co., Dept. HA, Akron, O. "Pflueger Non-pareil"
Heddon's (James) Sons, Dowagiac, Mich. "Double Header"
Horrocks-Ibbotson Co., Dept. S., Utica, N. Y. "Unxld"
Mansfield (G. H.) & Co., Canton, Mass. "Bait Sport"
South Bend Bait Co., South Bend, Ind. "Jovaline," "Oreno"

LINES, Fishing, Metal, Braided and Twisted

Ashaway Line & Twine Mfg. Co., Ashaway, R. I.
Empire Twine & Yarn Co., Inc., 70 Thomas, New York, N. Y.
Fullman Mfg. Co., Latrobe, Pa. "Latrobe"

LINES, Furnished
(See also Lines, Fishing)

Abbey & Imbrie, Utica, N. Y.
Bevin-Wilcox Line Co., East Hampton, Conn. "Pilot"
Enterprise Mfg. Co., Dept. HA, Akron, O. "Pflueger Bull Dog"
Horrocks-Ibbotson Co., Dept. S., Utica, N. Y.
Ideal Fishing Float Co., Inc., Richmond, Va.
Weber Lifelike Fly Co., Stevens Point, Wis.

LINES, Masons'—See Lines, Chalk and Masons'

LINES, Plow

American Mfg. Co., West & Noble, B'klyn, N. Y. "American"
Columbian Rope Co., 352 Genesee, Auburn, N. Y.
Empire Twine & Yarn Co., Inc., 70 Thomas, New York, N. Y.
Hooper (Wm. E.) & Sons, Phila., Pa. "Imperial," "Sterling"

LINES, Tape—See Tapes, Measuring

LINEMEN'S CLIMBERS—See Climbers, Linemen's

LINEMEN'S KNIVES—See Knives, Electricians'

LINEMEN'S PLIERS—See Pliers, Electricians'

LININGS, Clay, Stove—See Clay, Stove

LINKS, Chain Repair

American Auto Products Co., Washington, D. C. "Klinch-Linx"
American Chain Co., Inc., Bridgeport, Conn. "Acco"
Bridgeport Chain & Mfg. Co., Bridgeport, Conn. "Kwik-Fix"
Butler Chain Co., Inc., Butler, Pa.
Chain Products Co., 3290 Cooper Av., Cleveland, O. "Hodell," "One Minute"
Cincinnati Ball Crank Co., Cincinnati, O.
Cleveland Chain & Mfg. Co., Cleveland, O.
Columbus-McKinnon Chain Co., Tonawanda, N. Y. "Dreadnaught"
Eberhard Mfg. Co., 2790 Tennyson Rd., Cleveland, O.
Elbel Co., Canton, O. "Owl"
Flower City Specialty Co., 250 Mill, Rochester, N. Y. "Monkey Link"
Hess (Chas.) Co., 49-14 Metropolitan Av., B'klyn, N. Y.
Kilborn & Bishop Co., New Haven, Conn. "Green Line"
Laughlin (Thos.) Co., 199 Fore, Portland, Me. "Missing Link"
Lightning Coupler Link Co., Sharpesburg, Pa.
McKay Company, Pittsburgh, Pa.
Maine Steel Products Co., South Portland, Me. "Acme"
Marion Craftsman Tool Co., Marion, Ind.
Mundorf Chain Wks., York, Pa.
Newhall Chain, Forge & Iron Co., 48 W. B'way, New York, N. Y.
North & Judd Mfg. Co., New Britain, Conn.
Parker Wire Goods Co., Worcester, Mass.
Raymond Mfg. Co., Corry, Pa.
Stolp Co., Chicago, Illl.
Taylor (S. G.) Chain Co., Hammond, Ind.
Wilcox, Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.

LINOLEUM
(See also Rugs, Printed, Linoleum)

Armstrong Cork Co., Lancaster, Pa.
Burlington Blanket Co., Burlington, Wis.
Certain-teed Products Corp., 100 E. 42d, New York, N. Y.
Congoleum-Nairn, Inc., Kearny, N. J. "Crescent," "Gold Seal," "Sealex"
Sloan-Blabon Corp. (Nicetown), Phila., Pa.

LINOLEUM BINDING—See Binding, Linoleum

LINOLEUM CEMENT—See Cement, Linoleum

LINOLEUM CLEANERS—See Cleaners, Linoleum

LINOLEUM KNIVES—See Knives, Oil Cloth

LINOLEUM POLISH—See Wax Polish, Liquid

LINOLEUM RACKS—See Racks, Linoleum

LINOLEUM VARNISHES—See Varnishes, Linoleum

LINSEED CAKE—See Oil, Linseed

LINSEED OIL—See Oil, Linseed

LIQUEFIED GAS—See Gas, Liquefied

LIQUID DRYERS—See Varnishes

LIQUID FILLERS—See Fillers, Wood

LIQUID GLUE—See Glue, Liquid

LIQUID MEASURES—See Measures, Liquid

LIQUID PISTOLS—See Pistols, Liquid

LIQUID SOAPS—See Soaps, Liquid

LIQUID SOAP DISPENSERS—See Dispensers, Soap

LIQUID WAX POLISH—See Wax Polish, Liquid

LIQUIDS, Bronzing

Baer Bros., 438 W. 37th, New York, N. Y.
Baker Paint & Varnish Co., 218 Suydam Av., Jersey City, N. J. "American"
Berry Bros., Inc., Detroit, Mich.
De Bar Co., 56 Delevan, Bklyn, N. Y.
Egyptian Lacquer Mfg. Co., Inc., 140 Cedar, New York, N. Y.
Kahn (H.) & Co., Phila., Pa. "Supreme"
Parrott Varnish Co., Inc., Bridgeport, Conn. "46"
Pratt & Lambert, Inc., Buffalo, N. Y.
Sapolin Co., 229 E. 42nd, New York, N. Y. "Our Favorite"
Sheffield Bronze Powder & Stencil Co., 5817 Kinsman Rd., Cleveland, O.
Sherwin-Williams Co., Cleveland, O.

LIQUIDS, Soldering—See Flux, Soldering

LITHARGE

National Lead Co., 111 B'way, New York, N. Y.

LITTER CARRIERS—See Carriers, Manure or Litter

LIVE BAIT HALTERS—See Halters, Bait, Live

LIVESTOCK—See Stock

LIVESTOCK SUPPLIES—See Breeders' Supplies

LOAD BINDERS—See Binders, Load

LOADERS, Cartridge

Savage Arms Corp., Utica, N. Y.
Union Hdw. Co., Torrington, Conn.
U. S. Cartridge Co., 111 B'way, New York, N. Y.
Winchester-Simmons Co., New Haven, Conn.

LOADERS, Hay

Case (J. I.) Co., Racine, Wis.
Dain Mfg. Co., Ottumwa, Ia. "John Deere," "Windrow"
Hocking Valley Mfg. Co., Lancaster, O.
Imperial Mach. Co., Minneapolis, Minn.
International Harvester Co., of America, Chicago, Ill. "McCormick-Deering"
Lassack Bros. & Co., Oxford, Junct., Ia. "Oxford"
Massey-Harris Co., Racine, Wis.
Moline Implement Co., Moline, Ill. "Flying Dutchman"
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O. "Clover Leaf," "Cross Draft," "Haymaker," "Imperial," "O. K."
Ney Mfg. Co., Canton, O.
Rock Island Plow Co., Rock Island, Ill.
Sandwich Mfg. Co., Sandwich, Ill. "Clean Sweep"
Sparton Mfg. Co., Pontiac, Ill.
Sterling Mfg. Co., Sterling, Ill. "Champion," "Favorite," "Gem," "Simplex," "Superior"
Thomas Mfg. Co., Springfield, O. "Peerless"
Wood (Walter A.) Mowing & Reaping Mach. Co., Hoosick Falls, N. Y.

LOADING BLOCKS—See Blocks, Tackle

LOADING TOOLS—See Tools, Loading, Cartridge and Shell

LOCATORS, SOCKET—See Pendants, Luminous, Radium

LOCATORS, Switch, Luminous

Bryant Electric Co., Bridgeport, Conn. "Glo-Guide"
Luminite Corp., 53 Johnson, Newark, N. J. (Radium)
U. S. Radium Corp., 535 Pearl, New York, N. Y. "Undark"

LOCKERS, Steel

All-Steel Equipment Co., Aurora, Ill.
Aurora Equipment Co., Aurora, Ill. "Equipto"
Aurora Steel Products Co., Aurora, Ill.
Bataille (A.) & Co., 723 Washington, New York, N. Y. (Gymnasium)
Berger Mfg. Co., Canton, O.
Bingham (J. F.) Mfg. Co., Lawrence, Mass.
Cleveland Wire Spring Co., Cleveland, O.
Darby Steel Equipment Co., Phila., Pa.
Durabilt Steel Locker Co., Aurora, Ill.
Evans (W. L.), Washington, Ind. (Vanishing Door)
Hart & Hutchinson Co., New Britain, Conn.
Jefferis (Richard W.) Co., Camden, N. J.
Keighley Mfg. Co., Pittsburgh, Pa.
Lyon Metal Products, Inc., Aurora, Ill.
Manufacturing Equipment & Engineering Co., Framingham, Mass.
Medart Co., St. Louis, Mo.
Narragansett Machine Co., Providence, R. I.
New York Machinery Co., 27 W. 24th, New York, N. Y.
North Western Steel Products Co., Chicago, Ill. "Norwest"
Penn Metal Co., 41 E. 42d, New York, N. Y. "Penco"
Richards-Wilcox Co., Aurora, Ill. (School)
Smith (F. P.) Wire & Iron Wks., Chicago, Ill.
Stanley Wks., New Britain, Conn.
Steel Fixture Mfg. Co., Topeka, Kan.
Terrell's Equipment Co., Grand Rapids, Mich.
Worley & Co., Pico, Cal.

LOCKERS, Wire

Rieger Iron & Wire Wks., Pittsburgh, Pa.
Smith (F. P.) Wire & Iron Works, Chicago, Ill.

LOCK MORTISING MACHINES—See Machines, Lock Mortising

LOCK NUTS—See Nuts and Washers, Lock

LOCK SPRINGS—See Springs, Lock

LOCK WASHERS—See Washers, Lock

LOCKING BANDS, Fishing Reel—See Bands, Locking, Fishing Reel

LOCKS, Automobile

Baird Lock Company, Chicago, Ill. "Spin-Hex" (For Wheels)
Bohannan (Wilson), Co., Marion, O. "Well Bilt"
Chicago Lock Co., Chicago, Ill.
Corbin Cabinet Lock Co., New Britain, Conn.
Eagle Lock Co., Terryville, Conn.
Fenton Mach. Tool & Die Co., Fenton, Mich. "Little Dick"
Fraim (E. T.) Lock Co., Lancaster, Pa.
H-R Mfg. Co., Chicago, Ill. "Neutralock"
Hershey Mfg. Co., Chicago, Ill. "Theftproof"
Independent Lock Co., Fitchburg, Mass. "Ilco"
Johnson Automobile Lock Co., St. Louis, Mo.
Junkunc Bros., Chicago, Ill.
Master Lock Co., 926 Juneau Av., Milwaukee, Wis.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.
Security Mfg. Co., Los Angeles, Cal.
Sesamee Company, Hartford, Conn. (Keyless)
Shaler Co., Waupun, Wis.
Slaymaker Lock Co., Lancaster, Pa. "Autoloc"
Stewart Mfg. Co., Oakland, Cal.
Thomas-Andrews Corp., Waukegan, Ill. "Rush"
Trosien, Chas G., Pontiac, Mich.
Universal Safety Appliance Corp., Baltimore, Md. "USA"
Western Metal Specialty Co., Milwaukee, Wis. "Wemsco"
Yale & Towne Mfg. Co., Stamford, Conn.

LOCKS, Barn Door—See type desired, under Locks

LOCKS, Bicycle

Corbin Cabinet Lock Co., New Britain, Con.
Eagle Lock Co., Terryville, Conn.
Fraim (E. T.) Lock Co., Lancaster, Pa.
Independent Lock Co., Fitchburg, Mass. "Ilco"
Junkunc Bros., Chicago, Ill.
Master Lock Co., 926 Juneau Av., Milwaukee, Wis.
Miller (J. Walter) Co., Lancaster, Pa.
Reese Padlock & Hdw. Co., Lancaster, Pa.
Safe Padlock & Hdw. Co., Lancaster, Pa.
Sargent & Co., New Haven, Conn.
Sesamee Company, Hartford, Conn. (Keyless)
Slaymaker Lock Co., Lancaster, Pa.
Yale & Towne Mfg. Co., Stamford, Conn.

LOCKS, Box

Brainerd Mfg. Co., East Rochester, N. Y.
Corbin Cabinet Lock Co., New Britain, Con.
Eagle Lock Co., Terryville, Conn.
Ludwig (A.) & Co., 75 Spring, New York, N. Y.
National Lock Co., Rockford, Ill.
Williams (F. B.) Co., Chicago, Ill.

LOCKS, Cabinet

Barrows Lock Wks., of Yale & Towne Mfg. Co., Lockport, Ill.
Berkmann Mfg. Co., Chicago, Ill. "No-Key"
Chantrell Hdw. & Tool Co., Reading, Pa.
Chicago Lock Co., Chicago, Ill
Corbin Cabinet Lock Co., New Britain, Conn.
Dudley Lock Corp., Chicago, Ill.
Eagle Lock Co., Terryville, Conn.
Excelsior Hdw. Co., Stamford, Conn.
Independent Lock Co., Fitchburg, Mass. "Ilco"
Junkunc Bros., Chicago, Ill.
King Lock Co., Chicago, Ill.
Miller (J. B.) Keyless Lock Co., Kent, O.
National Lock Co., Rockford, Ill.
Penn Hdw. Co.. Reading, Pa.
Sager Lock Wks., of Yale Towne Mfg. Co., No. Chicago, Ill.
Sargent & Co.. New Haven, Conn.
Sargent & Greenleaf, Rochester, N. Y.
Slaymaker Lock Co., Lancaster, Pa.
Yale & Towne Mfg. Co., Stamford, Conn.

LOCKS, Chain, Tire
(See also Padlocks)

Corbin Cabinet Lock Co., New Britain, Conn.
Eagle Lock Co., Terryville, Conn.
Ferro Machine & Foundry Co., Cleveland, O. "Wise Lock"
Fraim (E. T.) Lock Co., Lancaster, Pa.
Independent Lock Co., Fitchburg, Mass. "Ilco"
Junkunc Bros., Chicago, Ill.
Reese Padlock Co., Lancaster, Pa.
Sargent & Co.. New Haven, Conn.
Segal Lock & Hdw. Co., Inc., 12 Warren, New York, N. Y.
Sesamee Company, Hartford, Conn. (Keyless)
Yale & Towne Mfg. Co., Stamford, Conn.

LOCKS, Chest, Drawer and Desk

Chicago Lock Co., Chicago, Ill.
Corbin Cabinet Lock Co., New Britain, Conn.
Eagle Lock Co., Terryville, Conn.
Excelsior Hdw. Co., Stamford, Conn.
Four-Way Lock Co., Cleveland, O. "4-Way"
Independent Lock Co., Fitchburg, Mass. "Ilco"
National Brass Co., Grand Rapids, Mich. "Essential"
National Lock Co., Rockford, Ill.
Sargent & Greenleaf, Inc., Rochester, N. Y.
Sesamee Company, Hartford, Conn. (Keyless)
Yale & Towne Mfg. Co., Stamford, Conn.

LOCKS, Coil—See Locks, Switch and Coil

LOCKS, Coin Controlled

American Coin Lock Co., Pawtucket, R. I.
Baird Lock Co., Chicago, Ill.
General Service Co., Baltimore Md.
Hygienic Coin Lock Co., Boston, Mass.
International Lock Co., Oakland, Cal. "Koin-Lock"
Nick-O-Lok Co., Indianapolis, Ind.

LOCKS, Combination

Corbin Cabinet Lock Co., New Britain, Conn.
Dudley Lock Corp., Chicago, Ill.
Eagle Lock Co., Terryville, Conn.
Junkunc Bros., Chicago, Ill.
Sargent & Greenleaf, Inc., Rochester, N. Y.
Sesamee Company, Hartford, Conn. (Keyless)
Williams Lock & Mfg. Co., Detroit, Mich. "Locko," "Lock-O-Matic"
Yale & Towne Mfg. Co., Stamford, Conn.

LOCKS, Cyinder

Barrows Lock Wks., of Yale & Towne Mfg. Co., Lockport, Ill.
Best Universal Lock Co., Seattle, Wash.
Chantrell Hardware & Tool Co., Reading, Pa.
Chesler (J.) & Sons Co., 41 Varick, B'klyn, N. Y.
Corbin, P. & F., New Britain, Conn.
Eagle Lock Co., Terryville, Conn.
Earle Hardware Mfg. Co., Reading, Pa.
Four-Way Lock Co., Cleveland, O. "4-Way"
Independent Lock Co., Fitchburg, Mass. "Ilco"
Keil (Francis) & Son, 401 E. 163rd, New York, N. Y.
Lockwood Mfg. Co., Fitchburg, Mass.
Norwalk Lock Co., 12 Warren, New York, N. Y.
Penn. Hardware Co., Reading, Pa.
Reading Hardware Co.. Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sager Lock Wks., of Yale & Towne Mfg. Co., No. Chicago, Ill.
Sargent & Co., New Haven, Conn.
Sargent & Greenleaf, Inc., Rochester, N. Y.
Schlage Lock Co., San Francisco, Cal.
Segal Lock & Hdw. Co., Inc., 12 Warren, New York, N. Y.
Yale & Towne Mfg. Co., Stamford, Conn.

LOCKS, Dog Collar

Bohannan (Wilson), Co., Marion, O. "Well Bilt"
Corbin Cabinet Lock Co., New Britain, Conn.
Eagle Lock Co., Terryville, Conn.
Fraim (E. T.) Lock Co., Lancaster, Pa.
Fritz Bros.. Meriden, Conn.
Huebel Mfg. Co., 103 Monroe, Newark, N. J.
Reese Padlock Co., Lancaster, Pa.
Sargent & Co., New Haven, Conn.
Slaymaker Lock Co., Lancaster, Pa.
United States Lock & Hdw. Co., Columbia, Pa.
Yale & Towne Mfg. Co., Stamford, Conn.

LOCKS, Door, Electric—See Openers and Locks, Door, Electric

LOCKS and LATCHES, Door, Sliding

Allith-Prouty Co., Danville, Ill. "Alligator," "Drawtite"
Barrows Lock Wks., of Yale & Towne Mfg. Co., Lockport, Ill.
Champion Hardware Co., Geneva, O.
Chantrell Hdw. & Tool Co., Reading, Pa.
Corbin Cabinet Lock Co., New Britain, Conn.
Corbin, P. & F., New Britain, Conn.
Dayton Mfg Co., Dayton, O.
Hess (Chas.) Co., 49-14 Metropolitan Av., B'klyn, N. Y.
McKinney Mfg. Co., Pittsburgh, Pa.
National Mfg. Co., Sterling, Ill. "Washburne"
Norwalk Lock Co., 12 Warren, New York, N. Y.
Penn Hdw. Co., Reading, Pa.
Reading Hdw. Co., Reading, Pa.
Richards-Wilcox Mfg. Co., Aurora, Ill.
Russell & Erwin Mfg. Co., New Britain, Conn. "Russwin"
Sager Lock Wks., of Yale & Towne Mfg. Co., No. Chicago, Ill.
Sargent & Co., New Haven. Conn.
Sargent & Greenleaf, Inc., Rochester, N. Y.
Schroder (J. B.) Co., Cincinnati, O.
Segal Lock & Hdw. Co., Inc., 12 Warren, New York, N. Y.
Skillman Hdw. Mfg. Co., Trenton, N. J.
Stearns (E. C.) & Co., Syracuse, N. Y. "Stearns Ecsco"
Stowell Co., South Milwaukee, Wis.
Wagner Mfg. Co., Cedar Falls, Ia.
Wrought Hdw. & Forging Co., Phila., Pa.
Yale & Towne Mfg. Co., Stamford, Conn.

LOCKS, Drawer—See Locks, Chest, Drawer and Desk

LOCKS, FIRE EXIT—See Bolts, Panic, Door

LOCKS, Golf Bag

Eagle Lock Co., Terryville, Conn.
Independent Lock Co., Fitchburg, Mass. "Ilco"
Junkunc Bros., Chicago, Ill.
Miller (J. Walter) Co., Lancaster, Pa.
Reese Padlock Co., Lancaster, Pa.
Sesamee Company, Hartford, Conn. (Keyless)
Yale & Towne Mfg. Co., Stamford, Conn.

LOCKS, Hasp

Allith-Prouty Co., Danville, Ill. "Prouty"
Corbin Cabinet Lock Co., New Britain, Conn.
Eagle Lock Co., Terryville, Conn.
Junkunc Bros., Chicago, Ill.
Master Lock Co., 926 Juneau Av., Milwaukee, Wis.
Seymour Products Co., Seymour, Conn. "Keyin" (Combination Hasp)
Slaymaker Lock Co., Lancaster, Pa.
Thredlock Co., Inc., 211 Centre, New York, N. Y.

LOCKS, Jimmy-proof

Corbin, P. & F., New Britain, Conn.
Eagle Lock Co., Terryville, Conn.
Independent Lock Co., Fitchburg, Mass.
Keil (Francis) & Son, 401 E. 163d, New York, N.Y.
Schlage Lock Co., San Francisco, Cal.
Segal Lock & Hdw. Co., Inc., 12 Warren, New York, N. Y. "Segalock"
Thredlock Co., Inc., 211 Centre, New York, N. Y. (Lock and Doorbell Combined)
Yale & Towne Mfg. Co., Stamford, Conn.

LOCKS, Keyless

American Keyless Lock Co., Chicago, Ill.
Arcade Mfg. Co., Boston, Mass.
Dudley Lock Corp., Chicago, Ill. (Combination)
Eagle Lock Co., Terryville, Conn.
Iowa Lock & Mfg. Co., Burlington, Ia. "B. A. R."
Junkunc Bros, Chicago. Ill.
Keyless Lock Co., Indianapolis, Ind.
Miller (J. B.) Keyless Lock Co., Kent, O.
Schlage Lock Co., San Francisco, Cal.
Sesamee Company, Hartford, Conn. (Keyless)
Williams Lock & Mfg. Co., Detroit, Mich. "Locko," "Lock-O-Matic"

LOCKS, Mortise and Rim

American Brass Goods Co., Grand Rapids, Mich.
Barrows Lock Works of Yale & Towne Mfg. Co., Lockport, Ill.
Best Universal Lock Co., Seattle, Wash.
Bohannan (Wilson) Co., Marion, O. "Well Bilt"
Chesler (J.) & Sons Co., 41 Varick, B'klyn, N. Y.
Clinton Lock Co., Clinton, Ia.
Corbin Cabinet Lock Co., New Britain, Conn.
Corbin, P. & F., New Britain, Conn.
Earle Hdw. Mfg. Co., Reading, Pa.
Graham Mfg. Co., Derby, Conn.
Hess (Chas.) Co., 49-14 Metropolitan Av., B'klyn, N. Y.
Independent Lock Co., Fitchburg, Mass. "Ilco"
Lockwood Mfg. Co., Fitchburg, Mass.
New York Brass Turning Co., 568 B'way. New York, N. Y.
Norwalk Lock Co., 12 Warren, New York, N. Y.
Penn Hdw. Co., Reading, Pa.
Rixson (Oscar C.) Co., Chicago, Ill.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sager Lock Works of Yale & Towne Mfg. Co., N. Chicago, Ill.
Sargent & Co., New Haven. Conn.
Sargent & Greenleaf, Inc., Rochester, N. Y.
Schlage Lock Co., San Francisco, Cal.
Segal Lock & Hdw. Co., Inc., 12 Warren, New York, N. Y.
Shelby Spring Hinge Co., Shelby, O.
Skillman Hardware Mfg. Co., Trenton, N. J.
Yale & Towne Mfg. Co., Stamford, Conn.

LOCKS, Oar

Boyer Mfg. Co., Winona Lake, Ind. "Winona"
Corbin, P. & F., New Britain, Conn.
Eberhard Mfg. Co., 2790 Tennyson Rd., Cleveland, O.
Hudson Oar Lock Co., Hudson, N. Y.
Laughlin (Thos.) Co., 199 Fore, Portland, Me.
Malleable Iron Fittings Co., Branford, Conn. "M. I. F. Co."
Marine Hdw. & Equipment Co., So. Portland, Me.
Minneapolis Brass & Iron Wks. Mfg. Co., Minneapolis, Minn.
New York Boat Oar Co., 40 Rector, New York, N. Y.
Old Town Canoe Co., Old Town, Me.
Pratt (Wm. E.) Mfg. Co., Chicago, Ill.
Pratt & Letchworth Co., Buffalo, N. Y.
Rushton, J. W., Canton, N. Y.
Wilcox, Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.

LOCKS, Pad—See Padlocks

LOCKS, Railroad

Corbin Cabinet Lock Co., New Britain, Conn.
Eagle Lock Co., Terryville, Conn.
Fraim (E. T.) Lock Co., Lancaster, Pa.
Fraim-Slaymaker Hdw. Co., Lancaster, Pa.
Reese Padlock Co., Lancaster, Pa.
Sargent & Co., New Haven, Conn.
Segal Lock & Hdw. Co., Inc., 12 Warren, New York, N. Y.
Yale & Towne Mfg. Co., Stamford, Conn.

LOCKS, Refrigerator

Brainerd Mfg. Co., East Rochester, N. Y.
Chicago Forging & Mfg. Co., Chicago, Ill.
Dent Hdw. Co., Fullerton, Pa.
Foster, Merriam & Co., Meriden, Conn. "Efemco"
Grand Rapids Brass Co., Grand Rapids, Mich.
National Brass Co., Grand Rapids, Mich. "Essential"
National Lock Co., Rockford, Ill.
Norwalk Lock Co., 12 Warren, New York, N. Y.
Payson Mfg. Co., Chicago, Ill.
Safe Padlock & Hdw. Co., Lancaster, Pa.

LOCKS, Rim—See Locks, Mortise and Rim

LOCKS, Robe

Backus Novelty Co., Smethport, Pa.
Kap Mfg. Co., San Francisco, Cal.
Racine Handy Mfg. Co., Racine, Wis. "Handee"
Sargent & Greenleaf, Inc., Rochester, N. Y.

LOCKS, Row—See Locks, Oar

LOCKS, Safe Deposit Box

Corbin Cabinet Lock Co., New Britain, Conn.
Eagle Lock Co., Terryville, Conn.
National Lock Co., Rockford, Ill.
Sargent & Greenleaf. Inc., Rochester, N. Y.
Sesamee Company, Hartford, Conn. (Keyless)
Yale & Towne Mfg. Co., Stamford, Conn.

LOCKS, Sash

American Brass Goods Co., Grand Rapids, Mich.
Austral Window Co., 101 Park Av., New York, N. Y.
Barrows Lock Works of Yale & Towne Mfg. Co., Lockport, Ill.
Brohard Co., Phila., Pa.
Buol Machine Co., New Britain, Conn. "Buolock"
Burg-La-Proof Window Catch Mfg. Co., Everett, Mass.
Caldwell Mfg. Co., Rochester, N. Y. "Empire"
Champion Hdw Co., Geneva, O.
Chantrell Hdw. & Tool Co., Reading, Pa.
Clinton Lock Co., Clinton, Ia.
Corbin, P. & F., New Britain, Conn.
Detroit Hardware Mfg. Co., Detroit, Mich.
Eagle Lock Co., Terryville, Conn.
Ellis Mfg. Co., Milldale, Conn. "Sampson"
Fiwale Equipment Mfg. Co., Inc., 64 Reade, New York, N. Y.
Frantz Mfg. Co., Sterling, Ill.
Graffam Metal Products Co., Worcester, Mass. (Anti-Rattling) "King"
Hart Sash Holder Co., Lexington, Mo. (Automatic)
Ives (H. B.) Co., New Haven, Conn. "Crescent"
Kersten Co., Inc., Chicago, Ill.
Kloss Hardware Specialties Co., Chicago, Ill. "Modern Window Lock"
Lawrence Bros., Sterling, Ill.
Laughlin (Thos.) Co., 199 Fore, Portland, Me.
Lockwood Mfg. Co., Fitchburg, Mass.
Macklanburg-Duncan Co., Oklahoma City, Okla. "Prowler-Pruf"
Milwaukee Stamping Co., Milwaukee, Wis.
Modern Hdw. Mfg. Co., Toledo, O. "Toledo"
National Brass Co., Grand Rapids, Mich. "Essential"
National Lock Co., Rockford, Ill.
National Mfg. Co., Sterling, Ill.
Norwalk Lock Co., 12 Warren, New York, N. Y.
Payson Mfg. Co., Chicago, Ill.
Penn Hdw. Co., Reading, Pa.
Reading Hdw. Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn. "Russwin"
Safe Padlock & Hdw. Co., Lancaster, Pa.
Sager Lock Works of Yale & Towne Mfg. Co., N. Chicago, Ill.
Sargent & Co., New Haven, Conn.
Schlangen Mfg. Co., Chicago, Ill.
Sharon Hdw. Mfg. Co., Sharon, Pa.
Shelby Metal Products Co., Shelby, O.
Shelby Spring Hinge Co., Shelby, O.
Slaymaker Lock Co., Lancaster, Pa.
Stern-Brown, Inc., 257 W. 17th, New York, N. Y. "Safest" (Combination)
Vent-Matic Sash Lock Corp., 92-32 Union Hall, Jamaica, N. Y. (Automatic)
Westlund (C. G.) Co., Worcester, Mass.
Wilcor-Wyman-O'Rourke Co., Chicago, Ill.
Yale & Towne Mfg. Co., Stamford, Conn.
Zenith Products Co., Cleveland, O.

LOCKS, Sash Ventilating

Clark (O. E.) & Co., Detroit, Mich. "Night Watch-man"
Corbin, P. & F., New Britain, Conn.
Grand Specialties Co., Chicago, Ill.
Hart Sash Holder Co., Lexington, Mo. (Automatic)
Ives (H. B.) Co., New Haven, Conn.
Kloss Hardware Specialties Co., Chicago, Ill. "Modern Window Lock"
Lawson Mfg. Co., Chicago, Ill. "Matchless"
Milwaukee Stamping Co., Milwaukee, Wis.
Modern Hdw. Mfg., Inc., Toledo, O. "Ventilock"
National Mfg. Co., Sterling, Ill.
Payson Mfg. Co., Chicago, Ill.
Reflex Chemical & Mfg. Co., Cleveland, O. (Automatic)
Russell & Erwin Mfg. Co., New Britain, Conn. "Russwin"
Sargent & Co., New Haven, Conn.
Segal Lock & Hdw. Co., Inc., 12 Warren, New York, N. Y.
Subet Specialties Co., Detroit, Mich. "Night Watchman"
U. S. Mercantile Co., Chicago, Ill.
Valco Sales Co., 246 5th Av., New York, N. Y
Vent-Matic Sash Lock Corp., 92-32 Union Hall, Jamaica, N Y. (Automatic)
Wolverine Supply & Mfg. Co., Pittsburgh, Pa.

LOCKS, Sets, Door and House

American Brass Goods Co.. Grand Rapids, Mich.
B. & P. Hardware Mfg. Co., Pasadena, Cal.
Barrows Lock Works of Yale & Towne Mfg. Co., Lockport, Ill.
Best Universal Lock Co., Seattle, Wash.
Bonney Forge & Tool Wks., Allentown, Pa.
Champion Hdw. Co., Geneva, O.
Chantrell Hdw. & Tool Co., Reading, Pa.
Chesler (J.) & Sons Co., 41 Varick Av., B'klyn, N. Y.
Clinton Lock Co., Clinton, Ia.
Corbin, P. & F., New Britain, Conn.
Dayton Mfg. Co., Dayton, O.
Eagle Lock Co., Terryville, Conn.
Earle Hdw. Mfg. Co., Reading, Pa.
Fiwale Equipment Mfg. Co., Inc., 64 Reade, New York, N. Y.
Gibson & Kirk Co., Baltimore, Md.
Huebel Mfg. Co., 183 Monroe, Newark, N. J.
Independent Lock Co., Fitchburg, Mass. "Ilco"
Keil (Francis) & Son, 401 E. 163d, New York, N.Y.
Lockwood Mfg. Co., Fitchburg, Mass.
Monarch Mfg. Co., Detroit, Mich.
National Brass Co, Grand Rapids, Mich. "Dexter"
New England Lock & Hinge Co., Winchendon, Mass.
New York Brass Turning Co., 568 B'way, New York, N. Y.
Norwalk Lock Co., 12 Warren, New York, N. Y.
Oschner (A.) & Sons, New Haven, Conn.
Penn Hdw. Co., Reading, Pa.
Phoenix Lock Wks., 3d Av., Newark, N. Y.
Reading Hdw. Co., Reading, Pa.
Rixson (Oscar C.) Co., Chicago, Ill.
Russell & Erwin Mfg. Co., New Britain, Conn. "Russwin"
Sager Lock Works of Yale & Towne Mfg. Co., N. Chicago, Ill.
Sargent & Co., New Haven, Conn.
Sargent & Greenleaf. Inc., Rochester, N. Y.
Schlage Lock Co., San Francisco, Cal. (Button)
Schlangen Mfg. Co., Chicago, Ill.
Schroder (J. B.) Co., Cincinnati, O.
Segal Lock & Hdw. Co., Inc., 12 Warren, New York, N. Y. "Segalock"
Shelby Spring Hinge Co., Shelby, O.
Skillman Hdw. Mfg. Co., Trenton, N. J.
Woodruff (W. W.) & Sons Co., Mt. Carmel, Conn.
Yale & Towne Mfg. Co., Stamford, Conn. (Also Mono)

LOCKS, Spare Tire

American Chain Co., Inc., Bridgeport, Conn. "Weed"
Banner Accessory Mfg. Co., St. Louis, Mo.
Bellevue Mfg. Co., Bellevue, O. "Buckeye"
Chain Products Co., 3290 Cooper Av., Cleveland, O.
Cleveland Chain & Mfg. Co., Cleveland, O.
Cooper Mfg. Co., Marshalltown, Ia.
Corbin Cabinet Lock Co., New Britain, Conn.
Eagle Lock Co., Terryville, Conn.
Ferro Machine & Foundry Co., Cleveland, O. "Wise Lock"
Hodes-Zink Mfg. Co.. Fremont, O. "Sure-Fit"
Hurd Lock Co., Elmont, Mich.
Independent Lock Co., Fitchburg, Mass. "Ilco"
International Chain & Mfg. Co., Phila., Pa. (Self-Locking)
Iowa Lock & Mfg. Co., Burlington, Ia.
Johnson Automobile Lock Co., St. Louis, Mo.
Junkunc Bros., Chicago, Ill.
M & H Novelty Co., Los Angeles, Cal. "Hughes-Mellins"
McKinnon Dash Co., Buffalo, N. Y.
Master Lock Co., 926 Juneau Av., Milwaukee, Wis.
Miller (J. Walter) Co., Lancaster, Pa.
Oakes Products Corp., N. Chicago, Ill.
Pines Winterfront Co., Chicago, Ill.
Reese Padlock Co., Lancaster, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn. "Russwin"
Sargent & Co., New Haven, Conn.
Sargent & Greenleaf, Inc., Rochester, N. Y.
Security Mfg. Co., Los Angeles, Cal.
Segal Lock & Hdw. Co., Inc., 12 Warren, New York, N. Y.
Sesamee Company, Hartford, Conn. (Keyless)
Slaymaker Lock Co., Lancaster, Pa.
Yale & Towne Mfg. Co., Stamford, Conn.

LOCKS, Store Door—See Locks, Sets, Door and House

LOCKS, SUB-TREASURY—See Locks, Safe Deposit Box

LOCKS, Tire—See Locks, Spare Tire

LOCKS, Trunk and Suitcase

American Brass Novelty Co., Grand Haven, Mich.
Corbin Cabinet Lock Co., New Britain, Conn.
Eagle Lock Co., Terryville, Conn.
Excelsior Hdw. Co., Stamford, Conn.
H. & A. Lock Co., 253 44th, B'klyn, N. Y.

LOCKS, Trunk and Suitcase (Continued)

National Brass Co., Grand Rapids, Mich.
Penn Rivet Mfg. Co., Phila., Pa.
Safe Padlock & Hdw. Co., Lancaster, Pa.
Sargent & Greenleaf, Inc., Rochester, N. Y.
Sesamee Company, Hartford, Conn. (Keyless)
Yale & Towne Mfg. Co., Stamford, Conn.

LOCOMOTIVE SCOOPS—See Scoops, Locomotive

LOCOMOTIVES, Toy—See Trains, Toy

LODGE EMBLEM KNIVES—See Knives, Pocket, Advertising

LOG CHAINS—See Chains, Log

LOG RULES—See Rules Board and Log

LOGGING TOOLS—See Tools, Logging

LOGS, Gas

Gleason (E. P.) Mfg. Co., 37 W. 19th, New York, N. Y.
Hansen, Otto E., Perth Amboy, N. J.
Howes (S. M.) Co., Boston, Mass.
Jackson (Edwin A.) & Bro., 50 Beekman, New York, N. Y.
Marietta Rustic Co., Zanesville, O.
Mead Gas Heater Co., Delawanna, N. J.
Ohio Foundry & Mfg. Co., Steubenville, O.
Strait & Richards, Fabyan Pl. & Selvage, Newark, N. J. "Driftwood"
Wadsworth-Adelson-Branning, Cleveland, O.
Weiskittel (A.) & Sons Co., Baltimore, Md.

LOPPING SHEARS—See Shears, Lopping

LUBRICATING GRAPHITE—See Graphite, Lubricating

LUBRICATING GREASES—See Greases, Lubricating

LUBRICATING OIL STORAGE SYSTEMS—See Storage Systems, Oil

LUBRICATING OILS—See Oils, Lubricating

LUBRICATORS

A.A.A. Mfg. Co., Los Angeles, Cal.
Bowen Products Corp., Auburn Div., Auburn, N. Y. "Empress," "One Shot"
Carr Fastener Co., Cambridge, Mass. "Dot"
Cincinnati Ball Crank Co., Cincinnati, O. "Balcrank"
Detroit Lubricator Co., Detroit, Mich.
Dunn (A. C.) Mfg. Co., Minneapolis, Minn.
Greene, Tweed & Co., 109 Duane, New York, N. Y. "Rochester"
Hunter Pressed Steel Co., 400 Pierce, Lansdale, Pa. "Airspring," "Uniflow"
Kellogg Mfg. Co., Rochester, N. Y.
Rose (Frank) Mfg. Co., Hastings, Neb.
Turner Brass Wks., Sycamore, Ill.

LUGGAGE BAGS AND CASES—See Carriers, Luggage

LUGGAGE CARRIERS—See Carriers, Luggage

LUMBER, Asbestos

Dominion Asbestos & Rubber Corp., 179 Christopher, New York, N. Y.
Hoff Magnesite Co., San Francisco, Cal. "Hoffite"
Johns-Manville, Inc., Madison Av. & 41st St., New York, N. Y.
Keasby & Mattison Co., Ambler, Pa.
Mikesell Bros. Co., Chicago, Ill.
Standard Asbestos Co., 69 Beekman, New York, N. Y.

LUMBER CRAYONS—See Crayons, Lumber

LUMBER PENCILS—See Pencils, Carpenters'

LUMBERMEN'S TOOLS—See article desired

LUMINOUS LETTERS—See Numbers and Letters, Luminous

LUMINOUS NUMBERS—See Numbers and Letters, Luminous

LUMINOUS PAINTS—See Paints, Luminous

LUMINOUS PENDANTS—See Pendants, Luminous

LUMINOUS PUSH BUTTONS—See Buttons, Push, Luminous

LUMINOUS SWITCH LOCATORS—See Locators, Switch, Luminous, Radium

LUNCH BASKETS—See Hampers, Baskets and Boxes, Lunch

LUNCH BOXES—See Hampers, Baskets and Boxes, Lunch

LUNCH HAMPERS—See Hampers, Baskets and Boxes, Lunch

LUNCH TABLES—See Tables, Picnic and Lunch

LUNCHEON SETS, MOTOR—See Hampers, Baskets and Boxes, Lunch

LURES, Fishing—See Baits, Fish, Artificial and Spoons and Spinners Trolling

MACHETES

Collins Co., Collinsville, Conn. "Legitimus"
Disston (Henry) & Sons, Inc. (Tacony), Phila, Pa.
Goodhue Co., 46 Colburn, Leominster, Mass.
Kelley Axe & Tool Wks., of American Fork & Hoe Co., Charleston, W. Va. "Kelly Standard"

MACHINE BITS—See Bits, Machine

MACHINE BOLTS—See Bolts, Machine

MACHINE, Box Strapping—See Tightners, Box Strapping

MACHINE KNIVES—See Knives, Machine

MACHINE LAWN MOWER SHARPENERS—See Sharpeners, Lawn Mower, Machine

MACHINE PUNCHES—See Punches, Blacksmiths'

MACHINE SCREW NUTS—See Nuts, Machine Screw

MACHINE SCREWS—See Screws, Machine

MACHINES—See under kind desired

MACHINES, Boring, Hand

Abbott (W. H.), Hudson, Mich. "Little Giant" (Hub borer)
Barrett Mach. Tool Co., Meadville, Pa.
Grand Rapids Sash Pully Co., Grand Rapids, Mich.
Ideal Commutator Dresser Co., Sycamore, Ill. "Bowlus"
Ingersoll Milling & Mach. Co., Rockford, Ill.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Snell Mfg. Co., Fiskdale, Mass.
Specialty Device Co., Cincinnati, O. "Standard"
Swan (Jas.) Co., Seymour, Conn.

MACHINES, Can Opening

Edlund Co., Burlington, Vt.
McGrath (J. T.) & Son, Bloomington, Ill.
Turner & Seymour Mfg. Co., Torrington, Conn. "Blue Streak," "Star"
Zenith Products Co., Cleveland, O.

MACHINES, Carpet Cleaning

Chief Mfg. Co., Indianapolis, Ind.
Electric Rotary Mach. Co., Chicago, Ill.
Fay Co., Trow Bldg., 130 Madison Av., New York, N. Y. (Scrubbing & Washing)

MACHINES, Clipping, Grooming and Shearing, Electric

American Shearer Co., Nashua, N. H.
Chicago Flexible Shaft Co., Chicago, Ill.
Gillette Clipping Machine Co., Inc., Dept A. 129 W. 31st, New York, N. Y.

MACHINES, Cutting, Metal

Peerless Machine Co., Racine, Wis. (Hack Saw)
Ryerson (Jos. T.) & Son, Chicago, Ill.
Stanley Electric Tool Co., New Britain, Conn. "Unishear"

MACHINES, Dry Cleaning

Apex Rotarex Co., Cleveland, O.
Columbia Phonograph Co., 55 5th Av., New York, N. Y.
Duette Mfg. Co., 303 5th Av., New York, N. Y.
Elgin Stove & Oven Co., Elgin, Ill.
Globe Machine & Stamping Co., Cleveland, O.
Sheffield Products Co., Cleveland, O. "Eversafe"
Spee Dee Products Co., Phila., Pa. "Spee Dee Kleen"
Standard Churn Co., Wapakoneta, O. "Spin-It-Dri"
Whirl Dry Corp., New Haven, Conn.

MACHINES, Floor, Electric

American Floor Surfacing Machine Co., Toledo, O. "American Edger," "American Universal," "Sanderplane"
Boettcher Co., Chicago, Ill. "Ideal"
Boller (Peter) Machine Wks., Chicago, Ill. "Lawlor" (Scrubbing & Waxing)
Boyle (A. S.) Co., Cincinnati, O. "Old English"
Briggs & Stratton Co., Milwaukee, Wis. "Nu-Flor" (Polisher)
Campbell Machine Co., Wollaston, Mass. (Surfacers & Polishers)
Carborundum Co., Niagara Falls, N. Y. (Portable Sanding)
Clarke Sanding Machine Co., Muskegon, Mich. "Dreadnaught" (Sanders & Surfacers)
Electric Rotary Mach. Co., Chicago, Ill. (Sanders)
Fay Co., Trow Bldg., 130 Madison Av., New York, N. Y. (Polishing, Waxing, Scrubbing, Sanding, Surfacing) "Champion," "Jumbo"
Floorola Corp., York, Pa. (Waxer, Polisher & Scrubber)
Fox Supply Co., Brooklyn, Wis.
Herr (John) Mfg. Co., Phila., Pa. (Scrubber, Sanders, Surfacers)
Johnson (S. C.) & Son, Racine, Wis. (Polisher) "Wonder Waxer"
Kent Co., Rome, N. Y. (Polishers, Scrubbers & Sanders) "Utility"
Kintzing Loom Mfg. Co., Hanover, Pa. "Hanover" (Polisher & Waxer)
Landers, Frary & Clark, New Britain, Conn. "Universal" (Polisher)
Lincoln-Schlueter Floor Machinery Co., Inc., Chicago, Ill. (Scrubbing, Wax Polishing, Surfacing) "Marvel," "Wizard"
National Sanding Machine Co., Chicago, Ill. "Lightning Electric"
Peerless Surfacing Mach., Co., Troy, N. Y.
Ponsell Floor Machine Co., 220 W. 19th, New York, N. Y. "International" (Polishers, Scrubbers & Surfacers)
Porter-Cable-Hutchinson Corp., Syracuse, N. Y. "Speedmatic Eight," "Speedmatic Twelve," "Take About"
Power (L.) & Co., Phila., Pa.
Progressive Machinery Co., Minneapolis, Minn.
Regina Corp., Rahway, N. J. "Craftsman" "Polishing, Sanding, Scrubbing & Waxing)
Stearns (E. C.) & Co., Syracuse, N. Y. "Little Giant"
Sweeper-Vac Company, Worcester, Mass. (Polishers)
United Vacuum Appliance Corp., Connorsville, Ind. "Connorsville"
Wallace (J. D.) & Co., Chicago, Ill. (Sanders)
Wayvell Chappell & Co., Waukegan, Ill. (Surfacer)
Wolf Co., Chambersburg, Pa.

MACHINES, Floor Sanding—See Machines, Floor, Electric

MACHINES, Floor Surfacers—See Machines, Floor, Electric

MACHINES, Ice Cube Cutting—See Cutters, Ice Cube

MACHINES, Ironing—See Ironers, Electric

MACHINES, Key Cutting

Beisser Key Machine Co., Detroit, Mich.
Cleveland Key Machine Co., Cleveland, O.
Foley Mfg. Co., Minneapolis, Minn.
Harrison & Co., 209 Center, New York, N. Y.
Independent Lock Co., Fitchburg, Mass. "Ilco Universal," "Improved Duplex," "Universal," "Universal Duplex"
Keil (Francis) & Son, 401 E. 163rd, New York, N. Y.
Locksmith Service & Supply Co., Detroit, Mich.
Modern Methods Co., Cleveland, O. "Magic Key Maker"
Russell & Erwin Mfg. Co., New Britain, Conn. "Russwin"
Segal Lock & Hdw. Co., Inc., 12 Warren, New York, N. Y.
South Allentown Machine & Tool Wks., Allentown, Pa.
Yale & Towne Mfg. Co., Stamford, Conn.

MACHINES, Lock Mortising

Colgan Machinery & Supply Co., Columbus, O. "Champion"
Wallace (J. D.) & Co., Chicago, Ill.
Wappat, Inc., Div. of Simonds Saw & Steel Co., Pittsburgh, Pa. "Alta"
Wodack Electric Tool Corp., Chicago, Ill.

MACHINES, Measuring, Wire Poultry Netting—See Netting, Wire Poultry, Measuring Machines

MACHINES, PAINTING—See Sprayers, Paint

MACHINES, Polishing—See Machines, Floor, Electric

MACHINES, RIVETING—See Riveting Machines

MACHINES, Rowing—See Rowing Machines

MACHINES, SANDING—See Machines, Floor, Electric

MACHINES, Saw, Sharpener

Foley Mfg. Co., Minneapolis, Minn.
Rogers (Sam'l C.) & Co., Buffalo, N. Y.

MACHINES, Sewing

Birch Bros., Somerville, Mass.
Dinsmore Mfg. Co., Salem, Mass.
Domestic Mfg. Co., Kankakee, Ill.
Fales, L. F., Walpole, Mass. "Maniplex"
Free Sewing Machine Co., Rockford, Ill.
Graybar Electric Co., 420 Lexington Av., New York, N. Y.
Hoge Mfg. Co., Inc., 23 E. 21st, New York, N. Y. "Little Princess" (Toy)
Illinois Sewing Machine Co., Rockford, Ill. "New Royal"
Industrial Mfg. Co., Camden, N. J.
King Sewing Mach. Co., Buffalo, N. Y.

MACHINES, Sewing (Continued)

Landis Mach Co., St. Louis, Mo.
Leyland (Thos.) & Co., Readville, Mass.
Metropolitan Sewing Mach. Co., Nyack, N. Y.
National Automatic Knitter Co., Phila., Pa.
National Sewing Mach. Co., Belvidere, Ill. "Eldridge"
New Home Sewing Mach. Co., Orange, Mass.
Rockwell Co., Boston, Mass.
Singer Sewing Mach. Co., 149 B'way, New York, N. Y.
Standard Sewing Mach. Co., Cleveland, O. "Paragon"
Watts Regulator Co., Lawrence, Mass.
White Sewing Mach. Co., Cleveland, O.
Willcox & Gibbs Sewing Mach., Co., 658 B'way, New York, N. Y.
Williams Mfg. Co., Plattsburgh, N. Y.

MACHINES, Sewing, Electric, Portable

Davis Sewing Machine Co., Dayton, O.
Fitzgerald Mfg. Co., Torrington, Conn. "Star-Rite"
Free Sewing Mach. Co., Rockford, Ill.
General Electric Co., Schenectady, N. Y.
New Home Sewing Mach. Co., Orange, Mass. "Greyhound"
Singer Sewing Machine Co., 149 B'way, New York, N. Y.
Standaad Sewing Mach. Co., Cleveland, O. "Paragon"
White Sewing Mach. Co., Cleveland, O. (Treadle)
Willcox & Gibbs Sewing Mach. Co., 658 B'way, New York, N. Y.

MACHINES, SHARPENING, LAWN MOWER—See Sharpeners, Lawn Mower Machines

MACHINES, SURFACING—See Machines, Floor, Electric

MACHINES, Tape Sealing and Moistening

Brown Paper Co., St. Louis, Mo.
Ever Ready Label Co., 257 W. 17th, New York, N. Y. "Seal-Rite"
Hance Mfg. Co., Westerville, O.
International Tag Co., Chicago, Ill.
Long Island Package Specialty Co., 148 W. 23rd, New York, N. Y.
Metal Specialties Mfg. Co., Chicago, Ill. "Anchor"
Nashua Package Sealing Co., Nashua, N. H.
Powell Sealer & Tape Co., Milwaukee, Wis.
Rice Gummed Products Co., Boston, Mass.
Van Horn (V. J.) Co., Chicago, Ill.

MACHINES, Woodworking

(See also Mills, Saw; also Rigs, Saw)

Adams Co., Marysville, O.
Aeromotor Co., Chicago, Ill.
Algoma Foundry & Mach. Co., Algoma, Wis. "O. K."
American Saw Mill Mchy. Co., Hackettstown, N. J. "Champion," "Clipper"
Appleton Mfg. Co., Batavia, Ill. "Common Sense," "Hero," "New Style"
Atkins (E. C.) & Co., Indianapolis, Ind. "Monitor"
Atlas Mfg. Co., Orlando, Fla. (Window Frame)
Baker Mfg. Co., Evansville, Wis.
Barnes (W. F. & John) Co., Rockford, Ill.
Black Bros. Co., Inc., Mendota, Ill.
Boice, William B. & John E., Toledo, O.
Buch Mfg. Co., Elizabethtown, Pa. "Pennsylvania"
Carlisle Mould Wks., Millville, N. J. "Whirlwind"
Challenge Co., Batavia, Ill.
Columbia Mfg. Co., Belleville, Ill.
Cresson-Morris Co., Phila., Pa. "No-Motor-Pull," "20th Century"
Delta Specialty Co., Milwaukee, Wis. (Portable)
De Walt Products Corp., Leola, Lancaster Co., Pa.
Dissinger (C. H. A.) & Bro. Co., Wrightville, Pa.
Duplex Mfg. Co., Superior, Wis. "Superior"
Eagle Mach. Co., Lancaster, O.
Ellis Keystone Agricultural Wks., Pottstown, Pa.
Fairbanks, Morse & Co., Chicago, Ill.
Farquhar (A. B.) Co., York, Pa.
Flint & Walling Mfg. Co., Kendallville, Ind. "Hoosier"
Freeman Mfg. Co., Racine, Wis.
Gade Bros. Mfg. Co., Iowa Falls, Ia.
Gehl Bro. Mfg. Co., West Bend, Wis.
Globe Co., Sheboygan, Wis. "Climax"
Gray's (A. W.) Sons, Poultney, Vt.
Hamachek, Frank, Kewaunee, Wis. "Giant"
Heebner & Sons, Lansdale, Pa. "Daisy"
Heston & Anderson, Fairfield, Ia.
Howell (R. R.) & Co., Minneapolis, Minn.
Jones Superior Mach. Co., Chicago, Ill.
Kennedy, Ralph M., Phila., Pa. (Utility Saw)
Lyon Iron Wks., Greene, N. Y.
Master Woodworker Mfg. Co., Chicago, Ill.
Moore Plow & Implement Co., Greenville, Mich.
New Holland Mach Co., New Holland, Pa.
New-Way Motor Co., Lansing, Mich.
New Winona Mfg. Co., Winona, Minn. "Diamond"
Ohlen Bishop Co., Columbus, O.
Orangeville Mfg. Co., Orangeville, Pa. "Farmer's," "Favorite," "Lightning"
Parks Woodworking Machine Co., Cincinnati, O.
Pence, W. H., Fairfield, Ia. "Little Gem," "Oscillator"
Plymouth Foundry & Mach. Co., Plymouth, Wis.
Port Huron Engine & Thresher Co., Port Huron, Mich.
Reierson Mach. Co., Portland, Ore. "King of the Woods"
Reliance Eng'g Co., Lansing, Mich. "Olds"
Salem Tool Co., Salem, O. "Silver"
Sargent, Osgood & Roundy Co., Randolph, Vt. "Randolph"
Sheldon Engine & Sales Co., Waterloo, Ia.
Smalley Mfg. Co., Manitowoc, Wis. "Battle Creek," "Champion," "Little All Right"
Standard Tool Co., Leominster, Mass.
Thomas Eng'g Wks., Portland, Ore. "Bear Cat"
United Engine Co., Lansing, Mich.
Up-to-Date Mach. Wks., Chicago, Ill.
Wallace (J. D.) & Co., Chicago, Ill. "Workace"
Wappat, Inc., Div. of Simonds Saw & Steel Co., Pittsburgh, Pa. "Alta"
Warner Mfg Co., Ottawa, Kan.
Waterloo Gasoline Engine Co., Waterloo, Ia. "Boy"
Whitney (Baxter D.) & Son, Inc., Winchendon, Mass.
Young (L. A.) Industries, Shelbyville, Ind. "Lay Porta"

MACHINERY—See under kind desired

MACHINERY SPRINGS—See Springs, Machinery

MACHINISTS' BENCHES—See Benches, Machinists'

MAHCINISTS' CLAMPS—See Clamps, Machinists'

MACHINISTS' HAMMERS—See Hammers, Machinists'

MACHINISTS' RULES—See Rules, Machinists'

MACHINISTS' SCRIBERS—See Scribers, Machinists

MACHINISTS' SQUARES—See Squares, Machinists'

MACHINISTS' TAPS—See Taps, Machinists'

MACHINISTS' AND MECHANICS' TOOLS—See article desired

MACHINISTS' VISES—See Vises, Machinists'

MACHINISTS' WRENCHES—See Wrenches, Engineers' and Machinists'

MAGAZINE SCREW DRIVERS—See Screw Drivers, Magazine

MAGIC LANTERNS—See Lanterns, Magic

MAGIC TRICKS and TRICK BOXES—See Tricks and Trick Boxes, Magic

MAGNETIC HAMMERS—See Hammers, Tack, Magnetic

MAGNETS, Horseshoe

Boker (H.) & Co., Inc., 101 Duane, New York, N. Y.

MAIL BASKETS—See Baskets, Mail

MAIL BOXES—See Boxes, Mail

MAILING BAGS—See Bags, Mailing

MAILING SCALES—See under Scales

MALLEABLE HEELS—See Soles and Heels, Malleable

MALLEABLE IRON WASHERS—See Washers, Iron, Malleable

MALLEABLE WIRE ROPE CLIPS—See Clips, Wire Rope, Malleable

MALLETS, Fibre—See Mallets, Rawhide and Fibre

MALLETS, Rawhide and Fibre

Anchor Sawmills Co., New Orleans, La.
Brockton Mallet Co., Brockton, Mass. "Goddard's"
Chicago Rawhide Mfg. Co., Chicago, Ill.
Greene, Tweed & Co., 109 Duane, New York, N. Y. "Colvin," "Empire"
Hoggson & Pettis Mfg. Co., New Haven, Conn.
Holbrook Raw Hide Co., Providence, R. I.
Kaalot Mfg. Co., Chicago, Ill. (Buckskin Fibre)
Osborne (C. S.) & Co., Box 183, Newark, N. J.
Stearns (E. C.) & Co., Syracuse, N. Y. "Stearns Ecsco"
United Awl & Needle Co., West Medway, Mass.

MALLETS, Rubber Composition

Continental Rubber Wks., Erie, Pa. "Vitalic"
Diamond Rubber Co., Inc., Akron, O.
Elastic Tip Co., Boston, Mass.
Goodrich (B. F.) Rubber Co., Akron, O.
Miller Rubber Co., Inc., Akron, O.
U. S. Rubber Co., 1790 B'way, New York, N. Y.

MALLETS, Stone Cutters'

(See also Hammers, Sone Cutters')

Anchor Sawmills Co., New Orleans, La.
Brunner & Lay, Chicago, Ill.
Dallett (Thos. H.) Co., Phila., Pa.
Seib Lignum Vital Woodturning Co., Jersey City, N. J.
Stossel (Carl) & Sons Co., Front, Royal, Va.

MALLETS, Wooden

Anchor Sawmills Co., New Orleans, La.
Bliss (R.) Mfg. Co., Pawtucket, R. I. (Hickory & Lignum Vital)
Bogert & Hopper, 223 Varick, New York, N. Y.
Drew (C.) & Co., Kingston, Mass.
Ehinger (Fred C.) Mfg. Co., Palmyra, Mich.
Estes (E. B.) & Sons, Inc., 25 Vanderbilt, Av., New York, N. Y.
Hellenberg (J. B.) Co., Inc., Coldwater, Mich.
Osborne (C. S.) & Co., Box 183, Newark, N. J.
Piqua Handle & Mfg. Co., Piqua, O.
Prouty (C.) & Co., Eldred, Pa.
Redlich Mfg. Co., 637 W. Oak, Chicago, Ill. (Rubber Faced)
Seib Lignum Vital Woodturning Co., Jersey City, N. J.
Sommer (John) Faucet Co., 32 Morris Av., Newark, N. J.
Stanley Wks., New Britain, Conn.
Stossel (Carl) Sons & Co., Front Royal, Va.
Strock (L. W.) & Co., Bethlehem, Pa.
Union Hdw. Co., Torrington, Conn.
Warren Handle Wks. Co., Cortland, O. "Newton"

MANDRELS

Clizbe Bros. Mfg. Co., Plymouth, Ind.
Cutter Machine Co., St. Louis, Mo.
Morse Twist Drill & Mach. Co., New Bedford, Mass.
Nicholson (W. H.) & Co., Wilkes-Barre, Pa. (Expanding)
Standard Tool Co., Cleveland, O.
Western Tool & Mfg. Co., Springfield, O. (Expanding)

MANDRELS, Circular Saw

Atkins (E. C.) & Co., Indianapolis, Ind.
Canedy-Otto Mfg. Co., Chicago Heights, Ill.
Clemson Saw Co., Middletown, N. Y.
Decker (E. F.) Saw Wks., Albany, N. Y.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Morse Twist Drill & Mach. Co., New Bedford, Mass.
Ohlen-Bishop Co., Columbus, O. "Bishop"
Simonds Saw & Steel Co., Fitchburg, Mass.

MAN-HOLE COVERS—See Covers, Man-Hole

MANE COMBS—See Combs, Mane

MANGER DIVISIONS—See Divisions, Manger

MANGER DRAINERS, Stable Gutter—See Drainers, Manger, Stable Gutter

MANGLES

(See also Ironers, Electric)

Altorfer Bros. Co., Peoria, Ill. (Gas) "A-B-C"
Chicago Dryer Co., Chicago, Ill. (Gas Heated)
Lovell Mfg. Co., Erie, Pa. "Niagara," "Princess"

MANICURE BUFFERS—See Sets, Manicure

MANICURE FILES—See Files, Manicure; also Sets, Manicure

MANICURE SCISSORS—See Scissors, Manicure; also Sets, Manicure

MANICURE SETS—See Sets, Manicure

MANILA ROPE—See Rope, Manila

MANILA ROPE CLAMPS—See Clamps, Rope, Manila

MANTEL CLOCKS—See Clocks, Mantel

MANTLES, Gas and Gasoline

Akron Lamp Co., Akron, O. "Diamond" (Gasoline)
American Gas Mach. Co., Inc., Albert Lea, Minn. "Blue Top," "Ready-Lite"
Coleman Lamp & Stove Co., Wichita, Kan. (Gas)
Erie Gas Mantle Mfg. Co., Erie, Pa.
Hickory-Mantle Mfg. Co., St. Paul, Minn.
Lindemann (A. J.) & Hoverson Co., Milwaukee, Wis. "Lind-o-Lite"
Lindsay Light Co., Chicago, Ill.
Macbeth-Evans Glass Co., Charleroi, Pa.
National Stamping & Electric Works, Chicago, Ill.
Welsbach Co., Gloucester City, N. J.

MANUAL TRAINING BENCHES—Cee Benches, Cabine Makers'

MANUAL TRAINING KNIVES—See Knives, Manual Training

MANUAL TRAINING RULES—See Rules, Manual Training

MANUAL TRAINING SAWS—See Saws, Manual Training

MANUAL TRAINING VISES—See Vises, Manual Training

MANURE CARRIERS—See Carriers, Manure

MANURE FERTILIZERS—See Fertilizers

MANURE FORKS—See Forks, Manure

MANURE HOOKS—See Hooks, Manure

MAR AND SCRATCH REMOVERS—See Removers, Mar and Scratch

MARBLE CLEANERS—See Cleaners, Porcelain, Tile and Marble

MARBLE TOYS

Wolverine Supply & Mfg. Co., Pittsburgh, Pa. "Sandy Andy"

MARBLES, Playing

Akron Agate Co., Clarksburg, W. Va.
Albright (J. E.) Co., Ravenna, O. (Clay)
Gropper Onyx Marble Co., 225 4th Av., New York, N. Y.
Master Marble Co., Clarksburg, W. Va.
Peltier Glass Co., Ottawa, Ill.

MARINE ANCHORS—See Anchors, Boat, Ship, etc.

MARINE CEMENT—See Cement, Marine

MARINE GLUE—See Glue, Marine

MARINE HARDWARE
(See also article desire)

Adams & Westlake Co., Chicago, Ill.
Bonney Forge & Tool Wks., Allentown, Pa.
Corbin, P. & F., New Britain, Conn.
Dayton Mfg. Co., Dayton, O.
Detroit Shipbuilding Co., Detroit, Mich.
Eberhard Mfg. Co., 2790 Tennyson Rd., Cleveland, O.
Gibson & Kirk Co., Baltimore, Md.
Independent Foundry Co., Portland, Ore.
Kaufman (Chas.) & Sons, Inc., Santa Ana, Cal.
Kirk-Habicht Co., Baltimore, Md.
Laughlin (Thos.) Co., 199 Fore, Portland, Me.
Maine Steel Products Co., South Portland, Me.
Malleable Iron Fittings Co., 10 Nichols, Branford, Conn. "M. I. F. Co."
Marine Hdw. Co., Peabody, Mass.
Marine Mfg. & Supply Co., 158 South, New York, N. Y.
Merrill Bros., Maspeth, N. Y.
Mousley (Chas.) & Sons, Phila., Pa.
Neptune Hdw. Mfg. Co., 70 Duane, New York, N. Y.
Norwalk Lock Co., 12 Warren, New York, N. Y.
Perkins Marine Lamp Corp., 1943 Pitkin Av., B'klyn, N. Y.
Philadelphia Hdw. & Malleable Iron Wks., Inc., Phila., Pa.
Phoenix Lock Wks., 3d Av., Newark, N. J.
Rostand Mfg. Co., Milford, Conn.
Russell & Erwin Mfg. Co., New Britain, Conn. "Russwin"
Sargent & Co., New Haven, Conn. . . . . .
Slaymaker Lock Co., Lancaster, Pa.
Torrey Roller Bushing Wks., Bath, Me.
Wilcox, Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.

MARKERS, Golf Ball

Crawford, McGregor & Canby Co., Dayton, O.
Fulname Co., Cincinnati, O.
Globe Name Embosser Co., Dayton, O.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Tuname Industries, Frankford, Pa.

MARKERS, Pigeon—See Bands, Leg, Poultry

MARKERS, Plant

Precision Products Co., Merrick, L. I., N. Y. "Hold Fast"

MARKERS, Poultry—See Bands, Leg, Poultry

MARKERS, Tennis Court

Draper-Maynard Co., Plymouth, N. H.
Goldsmith (P.) Sons Co., Cincinnati, O.
Hope Webbing Co., Providence, R. I.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Smith, J. Hunter, Chicago, Ill.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.

MARKERS, Tile

Goldblatt Tool Co., Kansas City, Mo.
Holtum Mfg. Co., Freeport, Ill.
Marshalltown Trowel Co., Marshalltown, Ia.
Plomb Tool Co., Los Angeles, Cal.

MARKERS, Traffic

Littleford Bros., Cincinnati, O.
Marion Mach., Fdry. & Supply Co., Marion, Ind.
Sterling Fdry. Co., Sterling, Ill.
Sweet's Steel Co., Williamsport, Pa.

MARKET BASKETS—See Baskets, Market

MARKING AWLS—See Awls, Scratch

MARKING CRAYONS—See Crayons

MARKING INKS—See Inks, Marking

MARKING TAGS—See Tags, Marking

MARKING TAPE—See Tape, Marking

MARLIN SPIKES—See Spikes, Marlin

MASHERS, Potato

A. & J. Kitchen Tool Co., Chicago, Ill. "Blutip"
Acme Metal Goods Mfg. Co., 2 Orange, Newark, N. J.
Altorfer Bros. Co., Peoria, Ill. "A B C Electrotable"
Aluminum Goods Mfg. Co., Manitowoc, Wis.
Anstice (Josiah) & Co., Rochester, N. Y. "Sterling"
Bailey Mfg. Co., Berlin, Conn. "Flo-Ricer"
Bogert & Hopper, 223 Varick, New York, N. Y.
Chicago Flexible Shaft Co., Chicago, Ill. "Sunbeam Mixmaster (Electric)
Cincinnati Galvanizing Co., Cincinnati, O. "King"
Colebrookdale Iron Co., Dept. C, Boyertown, Pa. "Sanitary"
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Gatch Brush & Wire Goods Co., Baltimore, Md.
Gray Iron Foundry Co., Reading, Pa.
Grey Iron Casting Co., Mt. Joy, Pa.
Hamblin & Russell Mfg. Co., Worcester, Mass. "Crown"
Handy Things Mfg. Co., Ludington, Mich.
Hodges (Wm.) Co., Phila., Pa.
Hoe Corp., Poughkeepsie, N. Y. "Merryway" (Electric)
Kitchen Aid Mfg. Co., Ridge & Olive, Troy, O. (Electric)
Kohler Die & Specialty Co., DeKalb, Ill.
Landers, Frary & Clark, New Britain, Conn.
Munising Woodenware Co., Cleveland, O.
New Standard Corp., Mt. Joy, Pa. "Dandy"
Parrish (J. Shepherd) Co., Chicago, Ill.
Penn. Stamping Corp., York, Pa. "Pasco"
Piqua Handle & Mfg. Co., Piqua, O.
P. M. C. Mfg. Corp., Kingston, N. Y.
Prouty (C.) & Co., Eldred, Pa.
Quadriga Mfg. Co., Chicago, Ill. "Chef"
Racine Iron & Wire Wks., Racine, Wis.
Read Mfg. Co., York, Pa. (Electric)
Royal Mfg. Co., Phila, Pa.
Sommer (John) Faucet Co., 32 Morris Av., Newark, N. J.
Standard Aluminum Co., Two Rivers, Wis.
Stoware, Inc., Stowe, Vt.
Turner & Seymour Mfg. Co., Torrington, Conn. "Blue Streak"
Utility Mfg. Co., Baltimore, Md.
Vaughan Novelty Mfg. Co., Chicago, Ill.
Wallace Bros., Wallingford, Conn.
Washburn Company, Worcester, Mass. "Sno-Cap"
Wrightsville Hdw. Co., Wrightsville, Pa.

MASKS, Catchers'

Denkert (M.) & Co., Johnstown, N. Y.
Draper-Maynard Co., Plymouth. N. H.
Goldsmiths (P.) Sons, Cincinnati, O.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Ken-Wel Sporting Goods Co., Utica, N. Y.
Parker Wire Goods Co., Worcester, Mass.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stall & Dean Mfg. Co., Brockton, Mass.
Wilson-Western Sporting Goods Co., Chicago, Ill.

MASKS, Face

American Mask Mfg. Co., Findlay, O.
Dessart Bros., 503 Metropolitan Av., B'klyn, N. Y.
Long Island Mask Co., Inc., 8778 109th, Richmond Hill, N. Y.
Newark Mask Co., Inc., Irvington, N. J.
Van Horn & Son, Inc., Philadelphia, Pa.

MASONRY NAILS—See Nails, Masonry

MASONRY SCAFFOLDS—See Scaffolds, Masonry

MASONS' BRICK TRIMMERS—See Trimmers, Brick

MASONS' HAMMERS—See Hammers, Masons'

MASONS' JOINTERS—See Jointers, Masons'

MASONS' LINE REELS—See Reels, Line, Chalk and Masons'

MASONS' LINES—See Lines, Chalk and Masons'

MASONS' TOOL BAGS—See Bags or Rolls, Tool

MASONS' TOOLS—See Tools, Masons'

MASONS' TROWELS—See Trowels, Plasterers', Masons', Pointing, Etc.

MAST FITTINGS, Radio—See Radio Mast Fittings

MASTICATORS, Meat—See Pounders, Steak

MATCH BOX HOLDERS—See Holders, Match Box

MATCH BOXES—See Boxes, Match

MATCH SAFES—See Safes, Match

MATHEMATICAL INSTRUMENTS—See Instruments, Mathematical

MATS and MATTING, Cocoa

American Standard Mfg. Co., Chicago, Ill.
Darragh, Smail & Co., Ltd., 177 Water, New York N. Y.
Heywood-Wakefield Co., Boston, Mass.
India Brush & Mat Co., Detroit, Mich.
Kempf (Wm. F.) & Son., Phila., Pa.
Maus, Geo. H., Amsterdam, N. Y. "Gold Medal"
Wisconsin Mat & Linoleum Co., Milwaukee, Wis.

MATS, Blasting

Anchor Blasting Mat & Rope Co., 245 E. 32nd, New York, N. Y.
Atlantic-Pacific Mfg. Corp., 128 Atlantic Av., B'klyn, N. Y.
Marine Mfg. & Supply Co., 228 Greenwich, New York, N. Y.
New York Cordage Co., 162 South, New York, N.Y.
Shannon (J. Jacob) & Co., Phila., Pa.

MATS, Door, Rope

Everclean Mat. Co. Div., U. S. Screw & Stamping Co., Worcester, Mass.
Werner Canvas Products Co., 2 Water, B'klyn, N.Y.

MATS, Door, Steel, Flexible

Acme Steel Co., 2838 Archer Av., Chicago, Ill.
Cary Products Co., Inc., 126 Nassau, B'klyn, N. Y. "Everlasting"
Fernald Mfg. Co., North East Pa., "Sleeth"
Keystone Wire Matting Co., Beaver Falls, Pa.
La Porte Mat & Mfg. Co., La Porte, Ind. "Hercules"

MATS, Gymnasium

Baker-Lockwood Mfg. Co., Inc., Kansas City, Mo.
Baptiste Tent & Awning Co., St. Louis, Mo.
Beverly Co., Louisville, Ky.
Chicago Gymnasium Equip. Co., Chicago, Ill.
Medart Co., St. Louis, Mo.
Morley, George, 370 3d Av., New York, N. Y.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.). Wright & Ditson, Inc., Phila., Pa.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Tothill, W. S., Chicago, Ill.
U. S. Tent & Awning Co., Chicago, Ill.

MATS, Rubber

Acme Rubber Mfg. Co., Trenton, N. J.
American Standard Mfg. Co., Chicago, Ill.
Atlantic Mfg. Co., Wilmington, Del.
Auburn Rubber Co., Auburn, Ind.
Bickett Rubber Products Corp., Watertown, Wis.
Boston Woven Hose & Rubber Co., Cambridge, Mass. "Bull Dog," "Lenox," "Tiger"
Cambridge Rubber Co.. Cambridge, Mass.
Cincinnati Rubber Mfg. Co., (Norwood), Cincinnati, O.
Combination Rubber Mfg. Co., Trenton, N. J.
Diamond Rubber Co., Inc., Akron, O. "Gulf," "Switchboard"
Dryden Rubber Co., Chicago, Ill. (Combination Rubber & Bristle)
Durst Mfg. Co., 468 B'way, New York, N. Y. "Dumaco"
Elastic Tip Co.. Boston, Mass.
Empire Tire & Rubber Co., Trenton, N. J.
Essex Rubber Co., Trenton, N. J.
Fabric Products Corp., Indianapolis, Ind.
Globe Rubber Wks., Inc., Boston, Mass.
Goodrich (B. F.) Rubber Co., Akron, O.
Gross, Wm. M., Sharon, Pa. "E-Z Klean"
Hamilton Rubber Mfg. Co., Trenton, N. J.
Hewitt-Gutta Percha Rubber Corp., Buffalo, N. Y.
Keystone Brass & Rubber Co., Phila., Pa.
Lynn Leather Washer & Mat Co., Manchester, Conn.
Manhattan Rubber Mfg. Co.. Passaic, N. J.
Painesville Metallic Binding Co., Painesville, O.
Pennsylvania Rubber Co. of America, Inc., Jeannette, Pa.
Phoenix Mfg. Co., Joliet, Ill.
Pioneer Rubber Mills, San Francisco, Cal.
Quaker City Rubber Co., Wissinoming, Phila., Pa. "Crown," "Hercules"
Republic Rubber Co., Youngstown. O.
Sun Rubber Co., Barberton, O. "Sunruco"
Thermoid Rubber Co., Trenton, N. J.
Tillinghast (B. C.) Rubber Co., Inc., Phila., Pa.
Union Rubber & Asbestos Co., Trenton, N. J.
United States Rubber Co., 1790 B'way, New York, N. Y.
Victor Rubber Co., Springfield, O.
Voorhees Rubber Mfg. Co., 20 Bostwick Av., Jersey City, N. J.
Woven Steel Hose & Rubber Co., Trenton, N. J.

MATS, Stove, Asbestos
(See also Boards, Stove)

Hall & Carpenter, Phila, Pa. "Crown")
New Standard Corp., Mt. Joy, Pa.
Stuber & Kuck Co., Peoria, Ill.

MATS, Table, Asbestos

Armstrong Cork Co., Lancaster, Pa.
Asbestos Fibre Spinning Co., North Wales, Pa. "Huber"
Asbestos Table Mat Co., Exeter, N. H. "Bunker Hill"
Chicago Asbestos Table Co., Chicago, Ill. "Peerless"
Cleveland Specialty Co., Cleveland, O.
Hall & Carpenter, Phila., Pa. "Crown"
Johns-Manville, Inc., Madison Av. & 41st, New York, N.Y.
Kerney Mfg. Co., Chicago, Ill.
New Standard Corp., Mt. Joy, Pa. (Toaster)
Winter (Oscar), Phila., Pa. "Keystone"

MATS, Table, Ventilated

Lydon-Bricher Mfg. Co., St. Paul, Minn. "McKay"
McDonough-Lydon Mfg. Co., Hoboken, N. J. "Lydon"

MATTING, Rubber—See Mats, Rubber

MATTINGS, Cocoa—See Mats and Mattings, Cocoa

MATTOCKS—See Hoes, Grub and Mattocks

MATTRESS NEEDLES—See Needles, Upholstery and Mattress

MATTRESSES, Air

Atlantic-Pacific Mfg. Corp., 128 Atlantic Av., B'klyn, N. Y. "Perfection"
Berg (F. O.) Co., Spokane, Wash.
Hodgman Rubber Co., Framingham, Mass. "Camplite"
K & W Rubber Co., Delaware, O. "Airo"
Metropolitan Camp Goods Co., Inc., Athol, Mass. "Brownie," "Outing"
Ott Rubber Co., Dubuque, Ia.

MAULS

Adams Foundry. Rome, N. Y.
Chance Co., Centralia, Mo.
Collins Co., Collinsville, Conn. "Legitimus"
Ehinger (Fred C.) Mfg. Co., Palmyra, Mich.
Evansville Tool Wks., Evansville, Ind. "E. T. W."
Hubbard & Co., Pitsburgh, Pa.
Iron City Tool Wks., Pittsburgh, Pa.
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Klein-Logan Co., Pittsburgh, Pa.
Plumb (Fayette R.), Inc., Phila., Pa.
Prouty (C.) & Co., Eldred, Pa.
Redlich Mfg. Co., 637 W. Oak, Chicago, Ill. (Cooper's Chine)
Seib Lignum Vital Woodturning Co., Jersey City, N. J.
Stanley Wks., New Britain, Conn.
Stossel (Carl) & Sons Co., Front Royal, Va.
Swett (A. L.) Iron Works, 149 Glenwood Av., Medina, N. Y.
Wagner Mfg. Co., Sidney, O.
Warren Axe & Tool Co., Warren, Pa. "Bull Dog"
Warren Handle Wks. Co., Cortland, O.
Warren Tool & Forge Co., Warren, O. "Quikwerk," "Slug Devil"
Warwood Tool Co., Wheeling, W. Va.
Wooding-Verona Tool Wks., Verona, Pa.

MAULS, Post

American Scale Co., Kansas City, Mo.
Caledonia Bean Harvester Wks., Caledonia, N. Y.
Chance Co., Centralia, Mo.
Dalton Foundries, Inc., Warsaw, Ind. "Big Boy"
Dutton (E. Q.) & Co., Cato, N. Y.
Eagle Mach. Co., Lancaster, O.
Indiana Fdry. Co., Indiana, Pa.
Laurelton Fdry. Co., Laurelton, Pa.
Sperry (D. R.) & Co., Batavia, Ill.
Western Fdry. & Sash Weight Co., St. Louis, Mo.

MAULS, Wooden

Anchor Sawmills Co., New Orleans, La.
Bogert & Hopper, 223 Varick, New York, N. Y.
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Hellenberg (J. B.) Co., Inc., Coldwater, Mich.
Parrish (J. Shepherd) Co., Chicago, Ill.
Stiles (H. A.) & Co., Boston, Mass.
Stossel (Carl) & Sons Co., Front Royal, Va.

MAYONNAISE MIXERS—See Beaters and Whips, Egg, Cream, Etc.

MEASURES—See Funnels and Measures

MEASURES, Copper—See Measures, Liquid, Copper

MEASURES, Dry

(See also other headings Under Measures)

Acme Sheet Metal Co., Martins Ferry, O. "McKim"
Atlantic Stamping Co., Rochester, N. Y.
Dover Stamping & Mfg. Co., Cambridge, Mass.
Hall Mfg. Co., Cedar Rapids, Ia.
Hellenberg (J. B.) Co., Inc., Coldwater, Mich.
National Enameling & Stamping Co., Milwaukee, Wis.
Porter (C. B.) Co., Phila., Pa.
Reeves Mfg. Co., Dover, O.
Richmond Cedar Wks., Richmond, Va. "Anchor"
Rochester Can Co., Rochester, N. Y. "Iron Horse"
Savory, Inc., 591 Ferry, Newark, N. J.
Wheeling Corrugating Co., Wheeling, W. Va.

MEASURES, Grocers'—See Measures, Household, Grocers', Etc.

MEASURES, Household, Grocers', Etc.

Almo Trading & Importing Co., 61 E. 11th, New York, N. Y.
Buckeye Aluminum Co., Wooster, O. "Real Solid"
Doylestown Aluminum Ware Co., Doylestown, O.
Fargo Aluminum Co., Taunton, Mass.
Imperial Glass Co., Bellaire, O.
National Enameling & Stamping Co., Milwaukee, Wis.
Savory, Inc., 191 Ferry, Newark, N. J.
Sexton Can Co., Everett, Mass.
Wagner Mfg. Co., Sidney, O.

MEASURES, Iron, Galvanized

Crunden (Martin) Mfg. Co., St. Louis, Mo.
Kraft, A. C., Chicago, Ill.
National Enameling & Stamping Co., Milwaukee, Wis.
Rochester Can Co., Rochester, N. Y. "Iron Horse"
Savory, Inc., 591 Ferry, Newark, N. J.

MEASURES, Liquid

(See also other headings under Measures)

Atlantic Stamping Co., Rochester, N. Y.
Buckeye Aluminum Co., Wooster, O. "Real Solid"
Burley & Winter Pottery Co., Crooksville, O.
Cincinnati Ball Crank Co., Cincinnati, O. "Brookins"
Huffman Mfg. Co., Dayton, O.
Kraft, A. C., Chicago, Ill. "Oyl-Rye"
Lawson (F. H.) Co., Cincinnati, O. "Lawco"
National Enameling & Stamping Co., Milwaukee, Wis.
Porter (C. B.) Co., Phila., Pa.
Sexton Can Co., Everett, Mass.
Swing Spout Measure Co., Los Angeles, Cal.

MEASURES, Liquid, Copper

Aldrich Mfg. Co., Buffalo, N. Y.
Buffalo Lamp & Mfg. Co., Inc., Buffalo, N. Y.
Huenefeld Co., Cincinnati, O. "Direct Action"
Kraft, A. C., Chicago, Ill.
Metal Products Corp., 49 Chestnut, Weehawken, N. J.
Ray (Geo. A.) Mfg. Co., Buffalo, N. Y.
Sexton Can Co., Everett, Mass.

MEASURES, Tin

American Can Co., 230 Park Av., New York, N.Y.
Behrens (H.) Mfg. Co., Winona, Minn.
Geuder, Paeschke & Frey Co., Milwaukee, Wis.
Kraft, A. C., Chicago, Ill.
Kreamer (A.), Inc., 307 Kent Av., B'klyn, N. Y.
Sexton Can Co., Everett, Mass.

MEASURING CUPS—See Cups, Measuring

MEASURING MACHINES, Wire Cloth

Bobo, Henry S., Greenfield, O. "Servicers"
Cleveland Matthews Hardware Co., Pine Bluff, Ark.
Marvel Rack Mfg. Co., Minneapolis, Minn.
Schriver (O. D.) Co., Cincinnati, O. "I. X. L."
Way-Jack Co., Inc., Poughkeepsie, N. Y. "Facil-I-Tor," "Screen-O-Meter" (Also Rope Measuring)

MEASURING MACHINES, Wire Poultry Netting—See Netting, Wire Poultry, Measuring Machine

MEASURING TANKS, Kerosene—See Tanks, Kerosene, Measuring

MEASURING TAPES—See Tapes, Measuring

MEAT BOARDS—See Boards, Meat

MEAT CHOPPERS—See Choppers, Meat

MEAT CLEAVERS—See Cleavers

MEAT CUTTERS—See Cutters, Bone; also Choppers, Meat and Food

MEAT HOOKS—See Hooks, Meat

MEAT JUICE PRESSES—See Presses, Meat Juice

MEAT SELECTING HOOKS—See Hooks, Meat Selecting

MEAT SHAVERS—See Slicers, Meat

MEAT SLICERS—See Slicers, Meat

MEAT TENDERERS—See Pounders, Steak

MECHANICAL HORNS—See Horns, Mechanical

MECHANICAL and ELECTRICAL TOYS

American Flyer Mfg. Co., 2219 S. Halsted, Chicago, Ill. "Structo" (Trains, Electrical & Wind-Up)
Animate Toy Co., 200 5th Av. (Creeping Bugs
Arcade Mfg. Co., Freeport, Ill. (Automobiles and Tractors)
Buddy "L" Mfg. Co., East Moline, Ill. (Concrete Mixers, Steam Shovels, Trench Diggers)
Buffalo Toy & Tool Wks., Buffalo, N. Y.
Chicago Wire Chair Co., Chicago, Ill. (Stoves)
Collier-Keyworth Co., Gardner, Mass. "Rovers"
Converse-Mason Corp., Winchendon, Mass.
Cummings, A. B., Attleboro, Mass.
Custer Specialty Co., Dayton, O. (Automobiles, Locomotives)
Dayton Friction Toy Co., Dayton, O.
Dixtoy, Inc., Canton, O.
Dorfan Co., 137 Jackson, Newark, N. J. (Cranes and Trains)
Ely Mfg. Co., Girard, Pa.
Gilbert (A. C.) Co., New Haven, Conn.
Girard Model Wks., Inc., Girard, Pa.
Gong Bell Mfg. Co., East Hampton, Conn. (Telephones)
Hoge Mfg. Co., Inc., 23 E. 21st., New York, N. Y.
Hubley Mfg. Co., Lancaster, Pa. (Motorcycle)
Hustler Toy Corp, Sterling, Ill.
Ives Corp., 200 5th Av., New York, N. Y. (Trains)
Jefferson Electric Co., Bellwood, Ill. (Clothes Washers, Motors)
Kenton Hdw. Co., Kenton, O. "Jaeger" (Concrete Mixer) "Kentontoys" (Ditcher)
Kingsbury Mfg. Co., Keene, N. H.
Kingston Products Corp., Kokomo, Ind. "Electricar"
Knapp Electric, Inc., Portchester, N. Y.
Lindstrom Tool & Toy Co., Bridgeport, Conn. (Automobiles)
Lionel Corp., 15 E. 26th, New York, N. Y. (Trains, Power Stations, Steel Bridges)
Madmar Quality Co., Utica, N. Y. (Motors)
Marks Bros. Co., Boston, Mass. (Steam Shovels & Trucks)
Marx (Louis) & Co., Erie, Pa.
Meccano Co. of America, Inc., 200 5th Av., New York, N. Y.
Metal Ware Corp., Two Rivers, Wis. "Empire" (Ferris Wheels)
Newlong Corp., New Richmond, Wis.
Northern Elec. Co., Chicago, Ill. (Irons)
Republic Tool Products Co., Dayton, O.
Strauss, Ferdinand, 215 4th Av., New York, N. Y. "Graf Zeppelin, Jr.," "Los Angeles Zeppelin"
Structo Mfg. Co., Freeport, Ill.
Turner (John C.) & Co., Dayton, O. "Turnerville"
Unique Art Mfg. Co., 200 Waverly Av., Newark, N. J.
Wayne Toy Mfg. Co., Dayton, O.
Wolverine Supply & Mfg Co., Pittsburgh, Pa. "Jolly Juggler" (Over and Under), "Sandy Andy"

MECHANICS' AND MACHINISTS' TOOLS—See article desired

MEDICINE BALLS—See Balls, Medicine

MEDICINE CABINETS—See Cabinets, Bathroom, Medicine

MEGAPHONES

Kennebunk Mfg. Co., Milton, N. H.
Merriman Bros., Boston, Mass.
National Megaphone Co., Wakefield, Mass.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.), Wright & Ditson, Inc., Philadelphia, Pa.
Spalding (A. G.) & Bros., 105 Nassau, N. Y. C.

MELTING FURNACES—See Furnaces and Torches, Gasoline and Kerosene

MELTING LADLES—See Ladles, Melting

MELTING POTS—See Pots, Melting

MELTING TORCHES—See Torches, Melting, Gas

MEMORANDUM ROLLS—See Rolls, Memorandum

MENDERS, Hose

Allen (W. D.) Mfg. Co., Chicago, Ill. "Bull Dog," "Gibbs"
Franklin Tool Co., Buffalo, N. Y.
Hudson Parer Co., Leominster, Mass.
Knox Mfg. Co., Phila., Pa.
Milburn (Alexander) Co., Baltimore, Md.
Nelson (L. R.) Co., Peoria, Ill. "Perfect Clinching"
Rauch Mfg. Co., Galena, Kan. "Ideal"
Romort Mfg. Co., Oakfield, Wis.
Schlangen Mfg. Co., 2434 Irving Pk. Blvd., Chicago, Ill. "Clincher"
Sherman (H. B.) Mfg. Co., Battle Creek, Mich.
Stulp, Fred J., Muskegon, Mich.

MERRY-GO-ROUNDS, Children's

Anchor Post Fence Co., Baltimore, Md. "Kiddy-Go-Round"
Burrowes (E.T.) Co., Portland, Me.
Everwear Mfg. Co., Springfield, O.
Giant Mfg. Co., Council Bluffs, Ia.

MERRY-GO-ROUNDS, Children's (Continued)

Hill-Standard Co., Anderson, Ind.
Jamison (Robert W.) Mfg. Co., Los Angeles, Cal.
Mengel Co., St. Louis, Mo.
Merremaker Corp., Minneapolis, Minn.
Metalcraft Corp., St. Louis, Mo.
Paraffine Co., Inc., San Francisco, Calif. "Pabco"
Tothill, W. S., Chicago, Ill.
Wolverine Supply & Mfg. Co., Pittsburgh, Pa. "Sandy Andy"

METAL, Babbitt—See Babbitt Metal

METAL BADGES—See Badges, Metal

METAL BAND SAWS—See Saws, Band, Metal Cutting

METAL, Bearing—See Bearing Metal

METAL BOATS, Toy, Mechanically Operated—See Boats, Toy, Mechanically Operated

METAL CASINGS—See Casings, Door and Window, Metal

METAL CEILINGS—See Ceilings, Metal

METAL CLEANERS—See Cleaners, Metal

METAL, Coppered—See Coppered Metal

METAL CORNER BEADS—See Beads, Corner, Metal

METAL CUTTING MACHINES—See Machines, Cutting, Metal

METAL CUTTING SAWS—See Saws, Metal Cutting

METAL DISHES, Toy—See Dishes, Toy

METAL DOLLS—See Dolls, Metal

METAL FISHING LINES—See Lines, Fishing, Metal

METAL FRAME WINDOW SCREENS—See Screens, Window, Metal Frame

METAL HOT WATER BOTTLES—See Bottles, Hot Water, Metal

METAL LATH—See Lath, Metal

METAL LAWN MOWER HANDLES—See Handles, Lawn Mower, Metal

METAL LETTERS—See Numbers and Letters, Metal

METAL MARKING INKS—See Inks, Metal Marking

METAL NUMBERS—See Numbers and Letters, Metal

METAL, Plastic

Clark (O. E.) Co., Detroit, Mich. "Mestik"
Stark Metal Products Co., Massillon, O. "Red Triangle"
Sweet Specialties Co., Detroit, Mich. "Mestik"
Tillette Cement Co., Inc., 401 Lafayette, New York, N. Y.
Tip-Top Products Co., Omaha, Neb.

METAL POLISHES—See Polishes, Metal

METAL PRESERVERS—See Preservers, Metal, Wood, Leather, etc.

METAL PRODUCTS—See Sheet Metal Products

METAL ROOFING—See Roofing and Siding, Metal; also Shingles, Metal

METAL ROOFING TILE—See Tile, Roofing, Metal

METAL SHINGLES—See Shingles, Metal

METAL SIDING—See Roofing and Siding, Metal

METAL SIGNS—See Signs, Metal

METAL SLITTING SAWS—See Saws, Metal Slitting

METAL SOLDIERS—See Soldiers, Toy

METAL SPECIALTIES—See Specialties, Metal

METAL STAMPINGS—See Stampings, Metal

METAL TEA SETS, Toy—See Sets, Tea, Toy, Metal

METAL TOYS—See kind desired

METAL WALLS—See Ceilings, Metal

METAL WORKERS' CRAYONS—See Crayons, Metal Workers

METAL WORKERS' TOOLS and SUPPLIES—See article desired

METAL WORKING TOOLS—See Tools, Metal and Sheet Workers

METALLIC GASKETS—See Gaskets, Metallic

METALLIC PACKING—See Packing, Metallic

METALLIC LAMP SHADES—See Shades, Lamp, Metallic

METALLIC TAPES—See Tapes, Measuring

METALS, Pewter

National Lead Co., 111 B'way, New York, N. Y.

METERS, Oven—See Thermometers, Oven

MICA CHIMNEYS—See Chimneys, Mica

MICA LAMP SHADES—See Shades, Lamp, Mica

MICA, Stove

Asheville Mica Co., Biltmore, N. C.
Dutch Mica Co., 160 Riverside Drive, New York, N. Y.
Huse-Liberty Mica Co., Boston, Mass.
Munsell (Eugene) & Co., 200 Varick, New York, N. Y.
Schoonmaker (A. O.) Insulation Co., Inc., 30 University Pl., New York, N. Y.

MICA WASHERS—See Washers, Mica

MICROMETER CALIPERS—See Calipers, Micrometer

MICROMETER GAGES—See Gages, Micrometer

MICROMETERS

Almond (T. R.) Mfg. Co., Ashburnham, Mass.
Brown & Sharpe Mfg. Co., Providence, R. I.
Consolidated Tool Wks., 509 Madison Av., New York, N. Y. "Simplex"
Lufkin Rule Co., Saginew, Mich.
Lyman Gun Sight Corp., Middlefield, Conn.
Reed Small Tool Wks., Worcester, Mass.
Slocomb (J. T.) Co., Providencee, R. I.
Starrett (L. S.) Co., Athol, Mass.

MILK BOTTLE CAPS—See Caps, Bottle, Milk

MILK BOTTLE CARRIERS—See Carriers, Milk Bottle

MILK BOTTLE CREAM DIPPERS—See Dippers, Cream, Milk Bottle

MILK BOTTLE HOLDERS—See Holders, Milk Bottle

MILK BOTTLES—See Bottles, Milk

MILK CAN BRUSHES—See Brushes, Milk Can

MILK CAN CARRIERS—See Carriers, Milk Can

MILK CAN HANDLES—See Handles, Boiler and Milk Can

MILK CAN HOLDERS—See Holders, Milk Can

MILK CAN JACKETS—See Jackets, Milk Can

MILK CANS—See Cans, Milk

MILK CAP LIFTERS—See Lifters, Milk Cap

MILK CHILLERS, Kerosene—See Coolers, Milk

MILK COOLERS—See Coolers, Milk and Cream

MILK DIPPERS—See Dippers, Milk

MILK DISC STRAINERS—See Strainers, Milk, Disc

MILK FILTER DISCS—See Strainers, Milk, Disc

MILK AND PACKAGE RECEIVERS—See Receivers, Milk and Package

MILK AND PACKAGE RECEIVING DOORS—See Doors, Milk and Package, Receiving

MILK PAILS—See Pails, Milk

MILK SCALES—See Scales, Milk

MILK STRAINERS—See Strainers, Milk

MILK TESTERS—See Testers, Milk

MILKING MACHINES

Cherry-Burrell Corp., Celar Rapids, Ia. "Burrell B-L-K"
De Laval Separator Co., 165 B'way, New York, N. Y.
Empire Milking Machine Co., Rochester, N. Y.
Hinman Milking Mach. Co., Oneida, N. Y.
Mehring (Wm. M.) Keymar, Md.
Meyer, J. W., Fort Atkinson, Wis. "Fort Atkinson"
Perfection Mfg. Co., Minneapolis, Minn.
United Engine Co., Lansing, Mich.
Universal Milking Mach. Co., Waukesha, Wis.

MILKING STOOLS—See Stools, Milking

MILL BOARDS—See Boards, Wall

MILL BROOMS—See Brooms, Warehouse, Mill and Factory

MILL BRUSHES—See Brushes, Mill

MILL KNIVES—See Knives, Mill

MILL SUPPLIES—See article desired

MILL WHITE PAINTS—See Paints, Mill White

MILLED NUTS—See Nuts, Milled

MILLING CUTTERS—See Cutters, Milling

MILLING MACHINE ARBORS—See Arbors, Chuck, Lathe, Milling Machine, etc.

MILLING MACHINE DOGS—See Dogs, Milling Machine

MILLS, Bone Grinding

Bell (C. S.) Co., Hillsboro, O. "Don"
Fry, Ralph W., Easton, Pa.
Howell (R. E.) & Co., Minneapolis, Minn. "Little Giant"
Mountville Mfg. Co., Mountville, Pa. "Reliable"
Rock Island Mfg. Co., Rock Island, Ill.
Stroud (E. H.) & Co., Chicago, Ill. "Cyclone"

MILLS and PRESSES, Cider

American Specialty Mfg. Co., Sanford, Me.
Crown Mfg. Co., Phelps, N. Y. "Morjuice"
Cutaway Harrow Co., Higganum, Conn. "Farmer's Favorite"
Dunning & Boschert Press Co., Syracuse, N. Y.
Eagle Mach. Co., Lancaster, O. "Cant-Clog"
Enterprise Mfg. Co. of Pa., Phila., Pa.
Farquhar (A. B.) Co., York, Pa. "American," "Monarch"
Hocking Valley Mfg. Co., Lancaster, O. "Bantam," "Junior," "Medium," "Senior"
Hydraulic Press Mfg. Co., Mount Gilead, O. "Mount Gilead"
Lansing Co., Lansing, Mich.
Puffer-Hubbard Mfg. Co., Minneapolis, Minn. "Orchard Queen"
Red Cross Mfg. Co., Bluffton, Ind.
Salem Tool Co., Salem, O. "Oasis," "Silver"
United Engine Co., Lansing, Mich.
White's (S. R.) Sons, Norfolk, Va. "Excelsior," "Valley Chief"
Whitehurst (R. W.) Mfg. Corp., Norfolk, Va. "Boss"

MILLS, Coffee or Spice

Arcade Mfg. Co., Freeport, Ill. "Crescent," "Crystal, "Jewel," "Royal," "Royal Fruit"
Bauer Bros., Springfield, O.
Bell (C. S.) Co., Hillsboro, O.
Brown (A. & F.) Co., Elizabeth, N. J. "Cogswell"
Deer (A. J.) Co., Hornell, N. Y. (Electric) "Royal"
Fry, Ralps W., Easton, Pa.
Hobart Mfg. Co., Troy, O. (Electric)
Hoe Corp., Poughkeepsie, N. Y. "Mercury" (Electric)
Holwick, B. C., Canton, O. (Electric)
Howes (S.) Co., Inc., Silver Creek, N. Y.
Huntley Mfg. Co., Silver Creek, N. Y.
International Business Machines Corp., 270 B'way, New York, N. Y.
Landers, Frary & Clark, New Britain, Conn. "Crown," "Regal," "Universal"
Parker (Chas.) Co., Meriden, Conn.
Read Mfg. Co., York, Pa. (Electric)
Smith's (John E.) Sons Co., Buffalo, N. Y. "Buffalo"
Sneath Glass Co., Hartford City, Ind. (Dispenser)
Steiner Mfg. Co., St. Louis, Mo.
Troemner, Henry, Philadelphia, Pa. (Coffee)
Valley Electric Co., St. Louis, Mo.
Williams Patent Crusher & Pulverizer Co., St. Louis, Mo.
Woodruff & Edwards Co., Elgin, Ill. "Elgin National"
Wrightsville Hdw. Co., Wrightsville, Pa. "Acme," "American Beauty," "Boss," "Brighton," "Brighton Star," "Century," "Colonial," "Diamond," "Domestic," "Excelsior," "L & S," "Monarch," "Peerless," "Perfect," "Premier," "Queen," "Sterling"

MILLS, Corn and Rice

Adams (W. T.) Mach. Co., Corinth, Miss.
Arcade Mfg. Co., Freeport, Ill.
Barnard & Leas Mfg. Co., Moline, Ill.
Brinly-Hardy Co., Inc., Louisville, Ky. "Red Chief"
Burgess-Norton Mfg. Co., Geneva, Ill. "Kenyon"
Fate-Root-Heath Co., 1333 High, Plymouth, O. "Korn King"
Howes (S.) Co., Inc., Silver Creek, N. Y.
Kentucky Wagon Mfg. Co., Louisville, Ky.
Landers, Frary & Clark, New Britain, Conn. "Universal"
Wrightsville Hdw. Co., Wrightsville, Pa.

MILLS, Flour

Arcade Mfg. Co., Freeport, Ill.

MILLS, Grinding, Hand Power

Arcade Mfg. Co., Freeport, Ill.
Bell (C. S.) Co., Hillsboro, O. "Model," "Rex"
Brinly-Hardy Co., Inc., Louisville, Ky. "Red Chief"
Duplex Mill & Mfg. Co., Springfield, O.
Fate-Root-Heath Co., 1333 High, Plymouth, O. "Korn King," "Rapid"
Fry, Ralph W., Easton, Pa. "Export," "O. C."
Hoeft & Co., Inc., North Chicago, Ill. "Moe's"

MILLS, Grinding, Hand Power (Continued)

New Winona Mfg. Co., Winona, Minn. "Commodore," "Diamond"
Patch (A. H.), Inc., Clarksville, Tenn. "Apache," "Black Hawk," "Tennessee"
Pratt (Wm. E.) Mfg. Co., Chicago, Ill. "Perfect"
Rock Island Mfg. Co., Rock Island, Ill.
Stover Mfg. & Engine Co., Freeport, Ill.
Straub (A. W.) Co., Philadelphia, Pa. "Quaker City"

MILLS, Rice—See Mills, Corn and Rice

MILLS, Spice—See Mills, Coffee or Spice

MILLS, Wind

Aeromotor Co., Chicago, Ill.
Althouse-Wheeler Co., Waupun, Wis. "Cyclone Proof," "Raymond," "Steel Giant"
Appleton Mfg. Co., Batavia, Ill. "Goodhue"
Baker Mfg. Co., Evansville, Wis. "Monitor"
Beckman Mfg. Co., Des Moines, Ia. "B. B."
Breyer Bros., Whiting & Co., Waupun, Wis.
Butler Co., Butler, Ind.
Challenge Co., Batavia, Ill.
Dempster Mill Mfg. Co., Beatrice, Neb.
Duplex Mfg. Co., Superior, Wis. "Andrew"
Fairbanks, Morse & Co., Chicago, Ill. "Eclipse"
Flint & Walling Mfg. Co., Kendallville, Ind. "Star"
Heller-Aller Co., Napoleon, O. "Baker"
Horicon Wind Mill Co., Horicon, Wis.
Kalmazoo Tank & Silo Co., Kalamazoo, Mich. "Manvel"
McDaniel & Son, Litchfield, Ill. "New Era"
Mast, Foos & Co., Springfield, O. "Buckeye," "Defender," "Imperial"
Red Cross Mfg. Co., Bluffton, Ind.
Stover Mfg. & Engine Co., Freeport, Ill. "Freeport," "Ideal," "Samson," "Samson Oil-Rite," "Stover Oil-Rite"
Union Steel Products Co., Albion, Mich. "Albion"
U. S. Wind Engine & Pump Co., Batavia, Ill. "Albion," "Cook," "Halladay Standard," "Union," "Wolcott"
Woodmanse Mfg. Co., Freeport, Ill. "Mogul," "Oil-Bath"

MINCING KNIVES—See Knives, Mincing

MINE LAMPS—See Lamps, Mine

MINERAL PAINTS—See Paints, Mineral

MINERS' AUGERS—See Augers, Miners'

MINERS' LAMPS—See Lamps, Miners'

MINERS' TOOLS and SUPPLIES—See article desired

MINERS' WICKING—See Wicking, Cotton

MINIATURE GOLF COURSES—See Golf Courses, Miniature

MINIATURE LAMPS or BULBS, Electric—See Lamps or Bulbs, Electric, Miniature

MINING SHOVELS—See Shovels, Mining

MINNOW BUCKETS—See Pails, Minnow

MINNOW PAILS—See Pails, Minnow

MINNOWS, Artificial—See Baits, Fish, Artificial

MINNOWS, Metal, Rubber, Wooden, etc.—See Bailts, Fish, Artificial

MIRROR MOUNTING PLATES—See Plates, Mirror Mounting

MIRRORS, Automobile

Amesbury Bent Glass Co., Amesbury, Mass.
Chesler (J.) & Sons Co., 41 Varick Av., Bklyn., N. Y.
Fernald Mfg. Co., North East, Pa.
H. L. G. Mfg. Co., Indianapolis, Ind.
Hide Leather & Belting Co., Indianapolis, Ind.
Hoeft & Co., Inc., 2309 Davis, N. Chicago, Ill. "Hoco"
Ideal Clamp Mfg. Co., 200 Bradford, Bklyn., N. Y.
Kales Stamping Co., Detroit, Mich. "Hindvie"
Kaufman (Chas.) & Sons, Santa Ana, Cal.
Kilborn-Sauer Co., Fairfield, Conn. "K-S"
Liberty Cut Glass Wks., Inc., Egg Harbor City, N. J.
Manhattan Mirror Wks., Inc., 50 Wooster, New York, N. Y.
Mid-West Glass Co., 2235 Buck, Cincinnati, O.
Persons-Majestic Mfg. Co., Worcester, Mass.
Quadrich Mfg. Co., Chicago, Ill. (Rearview)
Standard Mirror Co., Inc., Buffalo, N. Y.
Starr Bros. Bell Co., East Hampton, Conn.
Trice Products Corp., Buffalo, N. Y.
Turner Mfg. Co., Kokomo, Ind. "Milady"
Vineland Flint Glass Wks., Vineland, N. J.
Whitehouse (E. A.) Mfg. Co., 42 Elm, Newark, N. J. "Autoscope"

MIRRORS, Bathroom, Kitchen, Etc.

Acme Specialty Mfg. Co., Toledo, O.
American Enameled Products Co., Chicago, Ill.
Baker (S. D.) Corp., 234 W. 14th, New York, N. Y. "Samsonsteel"
Bennett Mfg. Co., Alden, N. Y.
Borin-Vivitone Corp., Chicago, Ill.
Boston Mirror Co., Boston, Mass.
Central Glass Products Co., Marion, Ind.
Conant Bros., Somerville, Mass. "Eureka," "Sanoid"
Conroy-Prugh Glass Co., Pittsburgh, Pa.
Dwelle-Kaiser Co., Buffalo, N. Y.
Eustis (J. P.) Mfg. Co., Cambridge, Mass. "Brasscrafters"
Hess Warming & Ventilating Co., Chicago, Ill.
Hooker Glass & Paint Mfg. Co., Chicago, Ill.
Judd (H. L.) Co., 87 Chambers, New York, N. Y.
Kersten Co., Inc., Chicago, Ill.
Landers, Frary & Clark, New Britain, Conn.
Mid-West Glass Co., Cincinnati, O.
Reliable Metal Novelty Co., 165 W. 21st, New York, N. Y. "Ramco"
Standard Mirror Co., Inc., Buffalo, N. Y.
Stone (N. M.) Co., Inc., Chicago, Ill.
"White Steel" Sanitary Furniture Co., Grand Rapids, Mich.

MIRRORS, Shaving

Acme Specialty Mfg. Co., Toledo, O.
Art Brass Co., 299 E. 134th, New York, N. Y. "San-o-la"
Borin-Vivitone Corp., Chicago, Ill.
Dull Dog Floor Clip Co., Inc., Winterset, Ia. "Lux-O-Lite"
Conant Bros., Somerville, Mass.
Conroy-Prugh Glass Co., Pittsburgh, Pa.
Dwelle-Kaiser Co., Buffalo, N. Y.
Eustis (J. P.) Mfg. Co., Cambridge, Mass. "Brasscrafters"
Kersten Co., Inc., Chicago, Ill.
Landers, Frary & Clark, New Britain, Conn.
Metropolitan Electric Mfg. Co., Boulevard at 14th, Long Island City, N. Y. "Facealite"
Pocono Metal Mfg. Co., E. Stroudsburg, Pa. "Nasco"
Stone (N. M.) Co., Inc., Chicago, Ill. (Cup and Brush)
Weber-Knapp Co., Jamestown, N. Y.

MIRRORS, Windshield, Dashboard and Fender—See Mirrors, Automobile

MITRE BOX SAWS—See Saws, Mitre, Box

MITRE BOXES—See Boxes, Mitre

MITRE CLAMPS—See Clamps, Mitre

MITRE SQUARES—See Squares, Try and Mitre

MITRES, Eave Trough

Berger Mfg. Co., Canton, O. "Berloy"
Bernard (Phillip) Co., Sioux City, Ia.
Braden Mfg. Co., Terre Haute, Ind. "Champion"
Globe Iron Roofing & Corrugating Co., Newport, Ky.
Klauer Mfg. Co., Dubuque, Ia.
Lupton's (David) Sons Co., Phila., Pa.
Milcor Steel Co., Milwaukee, Wis. "Kuehn's Korreckt Korner"
St. Paul Corrugating Co., St. Paul, Minn. "Easy Bead"
Wheeling Corrugating Co., Wheeling, W. Va.

MITTENS, Polishing

Barlow's Dusters, Inc., Watertown, Conn.
Dearborn Mfg. Co., Chicago, Ill. "Kleen-Ezy"
Hamblin & Russell Mfg. Co., Worcester, Mass.
Parks & Parks, Troy, N. Y.
Pioneer Mfg. Co., Cleveland, O. "Shino"

MITTS, Baseball—See Gloves, Baseball

MITTS, Punching Bag—See Mitts, Striking Bag

MITTS, Striking Bag

Candor Glove Mfg. Co., Candor, N. Y.
Denkert (M.) & Co., Johnstown, N. Y.
Draper-Maynard Co., Plymouth, N. H.
Goldsmith (P.) Sons Co., Cincinnati, O.
Ken Wel Sporting Goods Co., Inc., Utica, N. Y.
Reach (A. J.) Wright & Ditson, Inc., Phila., Pa.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stall & Dean Mfg. Co., Brockton, Mass.
Wilson-Western Sporting Goods Co., Chicago, Ill.

MIXED PAINTS—See Paints, Ready Mixed

MIXERS, Bread and Cake

Altorfer Bros. Co., Peoria, Ill. "ABC Electrotable"
Atlantic Stamping Co., Rochester, N. Y.
Dormeyer (A. F.) Mfg. Co., Chicago, Ill.
Fitzgerald Mfg. Co., Torrington, Conn. "Magic Maid" (Electric)
Gilbert (A. C.) Co., New Haven, Conn.
Hobart Mfg. Co., Troy, O.
Hoe Corp., Poughkeepsie, N. Y. "Merryway" (Electric)
Kitchen Aid Mfg. Co., Troy, O. (Electric)
Landers, Frary & Clark, New Britain, Conn. "Universal"
Lisk Mfg. Co., Canandaigua, N. Y.
New Standard Corp., Mt. Joy, Pa. "Dandy"
Savory, Inc., 591 Ferry, Newark, N. J.
Vogel (Wm.) & Bros., 37 S. 9th, Bklyn., N. Y. "Chautauqua"
Washburn Company, Worcester, Mass.

MIXERS, Cake—See Mixers, Bread and Cake

MIXERS, Cement—See Mixers, Concrete

MIXERS, Cocktail

Aluminum & Metal Products Corp., Buffalo, N. Y. "Magic"
Hamilton Beach Mfg. Co., Racine, Wis. "Whirlpool"
Landers, Frary & Clark, New Britain, Conn.
Wisconsin Electric Co., Racine, Wis. "Dunmore"

MIXERS, Concrete, Portable

Albany Hdw. Specialty Mfg. Co., Albany, Wis.
Associated Manufacturers Co., Waterloo, Ia. "Amanco"
Besser Mfg. Co., Alpena, Mich.
Bloom (J. S.) Mfg. Co., Independence, Ia.
Chain Belt Co., 736 Park, Milwaukee, Wis. "Rex"
Consolidated Concrete Machinery Corp., Adrian, Mich.
Dellinger, A. M., Lancaster, Pa. "Peerless"
Gray Iron Fdry. Co., Reading, Pa. "Keystone"
James Mfg. Co., Ft. Atkinson, Wis. "Jamesway"
Koehring Co., Milwaukee, Wis.
Kwik Mix Concrete Mixer Co., Port Washington, Wis.
Lansing Co., Lansing, Mich.
Leach Co., Oshkosh, Wis. "Oshkosh"
R. & L. Concrete Machinery Co., Kendallville, Ind. "Bull Dog"
Ransome Concrete Mchy. Co., Dunellen, N. J.
Remmel Mfg. Co., Kewaskum, Wis.
Republic Iron Wks., Tecumseh, Mich.
Smith (T. L.) Co., Milwaukee, Wis.
Swift Mfg. Co., Waterloo, Ia.
United Engine Co., Lansing, Mich.
Waterloo Construction Mchy. Co., Waterloo, Ia. "Little Wonder Five"
Worthington Pump & Mchy. Corp., 115 B'way, New York, N. Y. "Ingeco"

MIXERS, Gas

Johnson Gas Appliance Co., Cedar Rapids, Ia.

MIXERS, Mayonnaise—See Beaters and Whips, Egg, Cream, Etc.

MIXERS, Water, Hot and Cold

Keystone Brass & Rubber Co., Phila., Pa.
Robertson (H. E.) Co., Chicago, Ill.

MIXING BOWLS—See Bowls, Mixing; also Bowls, Wooden

MIXING SPOONS—See Spoons, Basting and Mixing

MIXERS, WHIPPERS and EXTRACTORS, Electric

Aldor Corp., Chicago, Ill.
Altorfer Bros. Co., Peoria, Ill. "ABC Electrotable"
American Mfg. Co., Dayton, O. "Pantry Pet"
Arnold Electric Co., Racine, Wis.
Brewer Mfg. & Sales Co., Santa Monica, Cal.
Chicago Flexible Shaft Co., Chicago, Ill. "Sunbeam Mixmaster"
Do-All Appliance Corp., Buffalo, N. Y. "Kitchen Kaddie"
Dormeyer (A. F.) Mfg. Co., Chicago, Ill. "Royal," "Princess"
Doughnut Machine Corp., 1170 B'way, New York, N. Y.
Edison General Electric Appliance Co., Chicago, Ill. "Gem," "Hotpoint Handy Ann"
Fitzgerald Mfg. Co., Torrington, Conn. "Star-Rite," "Magic Maid"
Gilbert (A. C.) Co., New Haven, Conn. "Polar Cub"
Hamilton Beach Mfg. Co., Racine, Wis.
Kitchen Aid Mfg. Co., Troy, O.
Landers, Frary & Clark, New Britain, Conn. "Universal Mixerbeater"
Made-Rite Mfg. Co., Sandusky, O. "Minute"
Manning, Bowman & Co., Meriden, Conn.
Merryway Co., Poughkeepsie, N. Y.
New Standard Corp., Mt. Joy, Pa. "Dandy"
Read Machinery Co., Inc., York, Pa. "Mixonette"
Reynolds Electric Co., Chicago, Ill. "Reco"
Robbins & Meyers, Inc., Springfield, O. "Biddy," "De Luxe Biddy"
Speedway Mfg. Co., Cicero, Ill. "Wife Saver"
United Electrical Mfg. Co., Adrian, Mich. "Eskimo Kitchen Mechanic," "Eskimo Twin Mixer"
Westinghouse Electric & Mfg. Co., Mansfield, O.

MOISTENERS, Air, Radiator

American Metal Products Corp., St. Louis, Mo. "Air-Seal"
Bomar Mfg. Co., Louisville, Ky. "Klean-Heat"
Diener (Geo. W.) Mfg. Co., Chicago, Ill. "Buddington"

IOISTENERS, Air, Radiator (Continued)

urham Mfg. Co., Muncie, Ind. "Fyt-All"
ureka Blotter Bath Co., Chicago, Ill.
ohnson (W. H.) & Son Co., Indianapolis, Ind. "Acme"
ullins Mfg. Corp., Salem, O.
ational Enameling & Stamping Co., 270 N. 12th, Milwaukee, Wis.
orth Star Specialty Mfg. Co., Minneapolis, Minn. "Re ly-O"
adiant Steel Products Co., Williamsport, Pa.
avo Mfg. Co., Chicago, Ill.
pecialty Mfg. Co., St. Paul, Minn. "Minnehaha," "Speco"

OISTENING MACHINES—See Machines, Tape Sealing and Moistening

OLASSES GATES—See Gates, Molasses

OLDERS' TOOLS—See Tools, Molders'

OLDS, Butter

gert & Hopper, 223 Varick, New York, N. Y.
eamery Package Mfg. Co., Chicago, Ill.
tes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
rgo Aluminum Co., Taunton, Mass.
ll Bros. Co., West Acton, Mass.
nising Woodenware Co., Cleveland, O.
rrish (J. Shepherd) Co., Chicago, Ill.
we (Henry) Mfg. Co., Newaygo, Mich.
oware, Inc., Stowe, Vt.
rmont Farm Mach. Co., Bellows Falls, Vt.

OLDS, Cake, Pudding, Etc

uminum Goods Mfg. Co., Manitowoc, Wis. "Mirro"
uminum & Metal Products Corp., Buffalo, N. Y. "Magic"
apman, C. A., Geneva, N. Y.
rgo Aluminum Co., Taunton, Mass. (Jelly)
eamer (A.), Inc., 307 Kent Av., Bklyn., N. Y.
lance & Grosjean Mfg. Co., Woodhaven, N. Y.
rsden (J. E.) Glass Wks., Inc., Ambler, Pa.
tional Enameling & Stamping Co., Milwaukee, Wis.
yal Mfg. Co., Phila., Pa.

OLDS, Hammer, Soft Metal

lerated Metals Corp., 295 Madison Av., New York, N. Y.
rat (Jos.) Mfg. Co., Lafayette, Ind.

OLDS. Ice Cream

Craft Mold & Model Wks., Martins Ferry, O.
d (Victor V.) Co., Phila., Pa.
amery Package Mfg. Co., Chicago, Ill.
zinger (Edward) Co., Chicago, Ill.

OLDS, Pudding—See Molds, Cake, Pudding, Etc.

OLDS, Salad—See Molds, Cake, Pudding, Etc.

OLDS, Vise Jaw—See Molds, Hammer, Soft Metal

LE TRAPS—See Traps, Mole

NEL BOLTS—See Bolts, Monel

NEL METAL BALLS—See Balls, Steel, Bronze, Ionel Metal, Stainless Steel

NEL METAL WIRE CLOTH—See Cloth, Wire, Ionel Metal

NEL RIVETS—See Rivets, Monel

NEL SCREWS—See Screws, Monel

NEY BELTS—See Belts, Money

NEY CHANGERS, Conductors'—See Changers, Ioney, Conductors'

NEY DRAWERS—See Drawers, Cash, Money, tc.

NKEY WRENCHES—See Wrenches, Screw

ORING ANCHORS—See Anchors, Boat, Ship, tc.

ORING BUOYS—See Buoys, Mooring

P HANDLES—See Sticks and Holders, Mop

P HEADS—See Heads, Mop; also Sticks and olders, Mop

P HOLDERS—See Sticks and Holders, Mop

P STICKS—See Sticks and Holders, Mop

P WRINGERS—See Wringers, Mop

OPS

ms (Joseph) Brush Co., Boston, Mass
bama Broom & Mattress Co., Huntsville, Ala.
oma Mfg. Co., Green Bay, Wis.
erican Broom Mfg. Co., New Orleans, La. "Amroco," "Economy," "Square Deal"
American Standard Mfg. Co., Chicago, Ill. "Blue Diamond"
American Textile Products Co., E. Cleveland, O. "No-Mar"
Arcade Mfg. Co., Freeport, Ill. "Gem"
Auburn Brush Co., Inc., Columbia, Pa.
Blakesley Novelty Co., Bristol, Conn.
Bouquet-Brownsons Co., St. Paul, Minn.
Brown Daisy Mop Co., Lowell, Mass.
Burdett Mfg. Co., Kansas City, Mo.
California Cotton Mill Co., E. Oakland, Cal.
Capital Mfg. Co., Kingsville, Tex.
Clark Bros. Mfg. Co., Phila., Pa. "Crown," "Jewel," "Queen," "Tile"
Coffin, Stanley H., Boston, Mass. "Stanley," "Pearl"
Cohankus Mfg. Co., Paducah, Ky.
Cupples Co., St. Louis, Mo.
Dale, Margaret, Arlington, Mass.
Dearborn Mfg. Co., Chicago, Ill. "Flo-Mop" (Automobile)
De Roo's (P.) & Son, Cincinnati, O. "Utility"
Dry Hand Mop Co., New Orleans, La. (Self Wringing)
Du-All Mfg. Co., Geneva, O.
Empire Twine & Yarn Co., Inc., 70 Thomas, New York, N. Y.
Erie Mop & Wringer Co., E. Rochester, N. Y.
Estes Mills, Fall River, Mass. "Acme," "Alpha," "Bee," "O. K.," "Slasher"
Fisele (Thos. J.) Mop Mfg. Co., St. Louis, Mo.
Five-In-One Mfg. Co., Worcester, Mass.
Freeman Mfg. Co., San Francisco, Cal. "One Better"
Fricke (J. E.) Co., Phila., Pa. "Chester," "Emory"
Gem Hammock & Fly Net Co., Milwaukee, Wis. "Sprustex" (Self Wringing)
Glenco Co., Quincy, Ill. "Glenco Dustaway"
Grossman Mfg. Co., Chicago, Ill.
Hertzberg (H.) & Son, 41 E. 11th, New York, N. Y. "Cleansbest"
Hoffman Lion Mills Co., 485 Washington, New York, N. Y. "Blue Bak"
Howard Dustless Duster Co., S. Boston, Mass.
Hygenia Brush Co., Worcester, Mass.
Ideal Clamp Mfg. Co., 200 Bradford, Bklyn., N. Y. "Ace" (Automobile)
Imboden (I. C.) Mfg. Co., Lebanon, Pa. "I. C. I."
Kautenberg (W. E.) Co., Inc., Freeport, Ill.
Kellogg Mfg. Co., Westfield, Mass. "Honor-Wear"
Lasting Broom & Mop Mfg. Co., Evansville, Ind.
Leiner (Geo. S.) & Co., 1250 Brook Av., New York, N. Y
Liquid Veneer Corp., Buffalo, N. Y.
Massasoit Mfg. Co., Fall River, Mass. "Arctic," "Bostonia," "Daisy," "Dandy," "Eureka," "Lily," "Lotus," "Luna," "Masco," "Star"
Maxwell Brushes, Inc, 213 E. 144th, New York, N. Y.
Metal Bound Brush & Broom Co., Cincinnati, O.
Mill-Rose Co., Cleveland, O.
North Ridge Brush Co., Inc., Freeport, Ill.
O-Cedar Corp., Chicago, Ill.
Opie Brush Co., Kansas City, Mo.
Osborn Mfg. Co., Cleveland, O.
Parker-Regan Corp., San Francisco, Cal. "Betty Bright" (Self Wringing)
Patent Novelty Co., Inc., Fulton, Ill. "Modern"
Pioneer Mfg. Co., Cleveland, O. "Shino"
Plunkett Chemical Co., Chicago, Ill.
Quality Mfg. Co., Inc., Woburn, Mass. "Quality Antiseptic"
Rubon Woodfinishing & Products Co., Kansas City, Mo.
Shane & Hays, 5300 21st Av., B'klyn, N. Y.
Shumaker Mfg. Co., Galesburg, Ill. "Oil of Gladness"
Southern Mills Corp., Oxford, Ala.
Squeez-Ezy Mop Co., Inc., New Orleans, La.
Stover Mfg. & Engine Co., Freeport, Ill. "Samson"
Sullivan Brush Co., Terre Haute, Ind. "Black Cat"
Tate Mfg. Co., Boston, Mass.
Tate (E. H.) Mop & Cordage Co., Boston, Mass. "Best Quality"
Tucker Duck & Rubber Co., Fort Smith, Ark. "Kantskratch"
Wash-Rite Auto Mop Co., St. Louis, Mo.
Whitaker (Wm. D.) & Sons, Phila., Pa. "Atlas," "Gem"
Wizard, Inc., Chicago, Ill.
Wynne (Frank W.) & Son, Inc., Phila., Pa.
Yale Mystic Knitting Co., Malden, Mass.
Zachry Mfg. Co., Atlanta, Ga. "Dixie," "Perfection," "Special"

MOPS, Dish

Atlanta Variety Wks., Atlanta, Ga.
Biltwell Brush Co., Rockford, Ill.
Blakesley Novelty Co., Bristol, Conn.
Brown Daisy Mop Co., Lowell, Mass.
Coffin, Stanley H., Boston, Mass.
Dux Dishmop Co., Mt. Vernon, N. Y.
Estes Mills, Fall River, Mass.
Fisele, (Thos. J.) Mop Mfg. Co., St. Louis, Mo.
Hertzberg (H.) & Son, 41 E. 11th, New York, N. Y. "Cleansbest"
Howard Dustless Duster Co., South Boston, Mass.
Hygenia Brush Co., Worcester, Mass.
Kautenberg (W. E.) Co., Inc., Freeport, Ill.
Maxwell Brushes, Inc., 213 E. 144th, New York, N. Y.
North Ridge Brush Co., Inc., Freeport, Ill.
Quality Mfg. Co., Inc., Woburn, Mass. "Quality Antiseptic"
Shane & Hays, 5300 21st Av., B'klyn, N. Y.
Silver-Chamberlin Co., Clayton, N. J. "Nibco"
Squeez-Ezy Mop Co., Inc., New Orleans, La.
Tate Mfg. Co., Boston, Mass.
Tucker Duck & Rubber Co., Fort Smith, Ark. "Little Dish Mop"
Wizard, Inc., Chicago, Ill.

MOPS, Dusting—See Mops, Polishing

MOPS, Polishing

Algoma Mfg. Co., Green Bay, Wis.
American Standard Mfg. Co., Chicago, Ill.
Barlow's Dusters, Inc., Watertown, Conn.
Biltwell Brush Co., Rockford, Ill.
Blakesley Novelty Co., Bristol. Conn.
Bouquet-Brownsons Co., St. Paul, Minn. "Bo-Kay"
Brown Daisy Mop Co., Lowell, Mass.
Dearborn Mfg. Co., Chicago, Ill. "Decoline," "Rublite"
Du-All Mfg. Co., Geneva, O.
Fisele (Thos. J.) Mop Mfg. Co., St. Louis, Mo.
Gem Hammock & Fly Net Co., Milwaukee, Wis. "Sprustex"
Hertzberg (H.) & Son, 41 E. 11th New York, N. Y. "Cleansbest"
Howard Dustless Duster Co., South Boston, Mass.
Hygenia Brush Co., Worcester, Mass.
Kautenberg (W. E.) Co., Inc., Freeport, Ill. "Universal"
Lasting Mop & Broom Co., Evansville, Ind.
Leiner (Geo. S.) & Co., 1250 Brook Av., New York, N. Y.
Liquid Veneer Corp., Buffalo, N. Y.
Metal Bound Brush & Broom Co., Cincinnati, O. (Dustless)
Midway Chemical Co., Chicago, Ill. "Aeroway," "Radiant," "Woodbrite"
North Ridge Brush Co., Inc., Freeport, Ill.
O-Cedar Corp., Chicago, Ill.
Osborn Mfg. Co., Cleveland, O.
O-U-Dust Co., Los Angeles, Cal.
Patent Novelty Co., Inc., Fulton, Ill. "Modern"
Pioneer Mfg. Co., Cleveland, O. "Shino"
Quality Mfg. Co., Inc., Woburn, Mass. "Quality Antiseptic"
Silver-Chamberlin Co., Clayton, N. J. "Brown Beauty"
Tate Mfg. Co., Boston, Mass. "Blue Bird," "Ta-Ma-Co."
Tate (E. H.) Mop & Cordage Co., Boston, Mass. "Best Quality"
Tucker Duck & Rubber Co., Fort Smith, Ark. "Kantskratch"
Whitaker (Wm. D.) & Sons, Phila., Pa. "Blu-Bak"
Wizard, Inc., Chicago, Ill.

MOPS, Toy

Arcade Mfg. Co., Freeport, Ill.
North Ridge Brush Co., Inc., Freeport, Ill.

MORTAR BARROWS — See Wheelbarrows, All Types & Classifications

MORTAR BOXES—See Boxes, Mortar

MORTAR COLORS—See Colors, Mortar

MORTAR HODS—See Hods, Mortar and Brick

MORTAR HOES—See Hoes, Mortar

MORTAR TUBS—See Tubs, Mortar

MORTISE LOCKS—See Locks, Mortise and Rim

MORTISING CHISELS—See Chisels, Mortising, Hollow

MORTISING MACHINES, LOCK—See Machines, Lock, Mortising

MOSQUITO REPELLENTS—See Repellents, Fly

MOTOR BOATS—See Boats, Motor

MOTOR LUNCHEON SETS—See Hampers, Basket & Box, Lunch

MOTORCYCLE HANDLE GRIPS—See Grips, Handle, Bicycle and Motorcycle

MOTORCYCLE LAMPS—See Lamps, Bicycle

MOTORCYCLE TIRES—See Tires, Bicycle

MOTORCYCLES

Harley-Davidson Motor Co., Milwaukee, Wis.
Indian Motorcycle Co., Springfield, Mass.

MOTORS, Bicycles

Outboard Motors Corp., Milwaukee, Wis.

MOTORS, Boat, Inboard

Elto Div., Outboard Motors Corp., Milwaukee, Wis. "Evinrude"
Fay & Bowen Engine Co., Phila., Pa. "Rocket"

MOTORS, Boat, Outboard

Arrow Motor & Mach. Co., 727 Frelinghuysen Av., Newark, N. J. "Waterman Porto"
Caille Bros. Co., Detroit, Mich. "5 Speed Twin," "Liberty"
Elto Div., Outboard Motors Corp., Milwaukee, Wis. "Evinrude," "Lockwood"
Henninger & Ayes Mfg. Co., Portland, Ore.
Johnson Motor Co., Waukegan, Ill. " Sea Horse," "Standard"
Millers Motor Corp., Chicago, Ill.
Modern Appliances Co., Grand Rapids, Mich.
Muncie Gear Co., Muncie, Ind. "Neptune Master," "Neptune Twin"
Spinaway Boat Motor Co., Chicago, Ill.
Wisconsin Mach'y & Mfg. Co., Milwaukee, Wis.

MOTORS, Electric

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Apex Rotarex Corp., Cleveland, O.
Century Electric Co., St. Louis, Mo.
Crocker-Wheeler Electric Mfg. Co., Ampere, N. J.
Diehl Mfg. Co., Elizabethport, N. J.
Emerson Electric Mfg. Co., St. Louis, Mo.
Fairbanks, Morse & Co., Chicago, Ill.
Fitzgerald Mfg. Co., Torrington, Conn. "Star-Rite"
Forbes & Myers, Worcester, Mass.
Graybar Electric Co., 420 Lexington Ave., New York, N. Y.
Hamilton Beach Mfg. Co., Racine, Wis. (Portable, Jeweler's Lathe & Sewing Mach.) "Fit-All," "Jack Rabbit," "Sew E-Z"
Lincoln Elec. Co., Cleveland, O. (Stainless Steel)
Marathon Elec. Mfg. Co., Wausau, Wis. "O.K."
National Stamping & Electric Wks., Chicago, Ill. "White Cross"
Peerless Elec. Co., Warren, O.
Reynolds Electric Co., Chicago, Ill. "Reco"
Robbins & Meyers Co., Springfield, O.
Valley Electric Co., St. Louis, Mo.
Wagner Electric Corp., St. Louis, Mo.
Westinghouse Electric & Mfg. Co., E. Pittsburgh, Pa.

MOTORS, Electric, Toy

American Flyer Mfg. Co., 2219 S. Halsted, Chicago, Ill.
Buddy "L" Mfg. Co., East Moline, Ill.
Dorfan Co., 137 Jackson, Newark, N. J.
Gilbert (A. C.) Co., New Haven, Conn.
Ives Corp., 200 5th Ave., New York, N. Y.
Knapp Electric, Inc., Portchester, N. Y.
Lionel Corp., 15 E. 26th, New York, N. Y. "Bild-A-Loco"
Meccano Co. of America, Inc., 200 Fifth Av., New York, N. Y.
Moore, George W., Boston, Mass.
Weeden Mfg. Co., New Bedford, Mass.

MOTORS, Inboard—See Motors, Boat, Inboard

MOTORS, Outboard—See Motors, Boat, Outboard

MOULDERS, SHOVELS—See Shovels, Moulders

MOULDINGS, Wood

Bogert & Hopper, Inc., 223 Varick, New York, N. Y.
Bradley Lumber Co. of Ark., Warren, Ark.
Estes (E. B.) & Son, Inc., 25 Vanderbilt Av., New York, N. Y.
Hammond Lumber Co., San Francisco, Cal.
Metz Mfg. Co., Dubuque, Ia.
Osceola Cypress Co., Osceola, Fla.
Rowe (Henry) Mfg. Co., Newaygo, Mich.
Southern Pine Co. of Ga., Savannah, Ga.
Stiles (H. A.) & Co., Boston, Mass.

MOULDS—See Molds

MOUSE TRAPS—See Traps, Rat and Mouse

MOVERS, Car

Advance Car Mover Co., 112 N. Outgamie, Appleton, Wis. "Badger," "Ideal," "New Badger"
Aldon Co., Chicago, Ill. "Sheldon"
American Logging Tool Co., Evart, Mich.
Appleton Car Mover Co., Appleton, Wis. "Atlas," "Never-Slip"
Atkins (E. C.) & Co., Indianapolis, Ind. "A. A. A."
Filer & Stowell Co, Milwaukee, Wis
Foster (L. B.) Co., Pittsburgh, Pa.
Iron City Tool Wks., Pittsburgh, Pa.
Jeffrey Mfg. Co., Columbus, O.
Rowell Mfg. Co., Appleton, Wis. "Samson"
Sackett (H. B.) Screen & Chute Co., Chicago, Ill. "Ideal"
Safety Wrench & Appliance Co., Springfield, Mass. "Bull Dog," "Swaco"
Stephens-Adamson Mfg. Co., Aurora, Ill. "Sheldon"
Tallman Mfg. Co., Shelbyville, Ill. "Richtal," "Samson"
Track Specialties Co., Inc., 1775 B'way, New York, N. Y. "Trasco"
Verona Tool Wks., Oliver Bldg., Pittsburgh, Pa.
Webster & Weller Mfg. Co., Chicago, Ill.

MOVING PICTURE MACHINES, Children's

Ace Mfg. Co., Milwaukee, Wis.
Cummings, A. B., Attleboro, Mass. "Ab-cum-o-graph"
Eastman Kodak Co., Rochester, N. Y.
Marks Bros. Co., Boston, Mass.
Metal Stamping & Mfg. Co., Cleveland, O.
Movi-Scope, Inc., Milwaukee, Wis.
Paramount Mfg. Co., Boston, Mass.

MOWER and BINDER REPAIR PARTS

Henry & Allen, Auburn, N. Y.
Herschel (R.) Mfg. Co., Peoria, Ill.

MOWER KNIFE GRINDERS—See Grinders, Sickle and Mower Knife

MOWERS, Field—See Mowing Machines

MOWERS, Lawn, Repair Parts for—See Repairs, Lawn Mower

MOWERS, Lawn, Children's—See Mowers, Lawn, Toy

MOWERS, Lawn, Hand

American Lawn Mower Co., Muncie, Ind. "Bent Grass," "Congress," "Featherweight," "Garland," "Rapid," "Speedy"
Blair Mfg. Co., Springfield, Mass. "Automatic," "Bay State," "Cyclemower," "Drawcut," "Easy," "Grand," "Grand Universal," "Hercules," "Junior," "Mohawk," "Moneyback," "Pilgrim," "Universal," "Yankee"
Chadborn & Coldwell Mfg. Co., Newburgh, N. Y. "Delevan," "Dexter," "Golden Glow," "Invincible," "Lenox," "Newburgh," "Pastime," "Royal Blue," "Shamrock," "Sunbeam," "Sunset," "Swift Cutter," "Trimmers"
Clipper Mfg. Co., Inc., Dixon, Ill. "Dixon"
Coldwell Lawn Mower Co., Newburgh, N. Y. "Amazon," "Ambassador," "American Beauty," "Beacon," "Biltmore," "Cadet," "Coldwell Ball Bearing," "Colonial," "Demountable Putting Green," "Duchess," "Ever Ready," "Garden City," "Greenwood," "Hickory," "Hickory, Jr.," "Imperial," "Improved Excelsior Putting Green," "Interstate," "Jewel," "Knickerbocker," "Lakewood," "Lightning," "Maple," "Newport," "Old Honesty," "Peacemaker," "Park," "Regal," "Seawall," "Suburban"
Dille & McGuire Mfg. Co., Richmond, Ind. "Aero," "Diamond," "Glide," "Greenwood," "High Speed," "King," "Leader," "Matchless," "New Magic," "Perfection," "Richmond," "Sterling," "Supreme," "Terrace Special," "W. H. Winner," "Western"
Eclipse Lawn Mower Co., Prophetstown, Ill. "Elmco," "Lady," "Midwest," "Prophet"
Elwood Lawn Mower Mfg. Co., Elwood, Ind. "Elco," "Elm," "Madison," "New Hoosier," "Standard"
Eversharp Lawn Mower Co., Portland, Ore.
F. & N. Lawn Mower Co., Richmond, Ind. "Admiral," "Annex," "Auto," "Baby Grand," "Clover Leaf," "Colonial," "Comet," "Commander," "Congress," "Director," "Dragon," "F. & N." (Unbreakable All Steel), "F. & N. Putting Green," "Fairmont," "Famous," "Great Arrow," "Great Western," "Ideal," "May Flower," "Melrose," "New Americus," "Novo" (Unbreakable All Steel), "New Crescent," "New Standard," "New Triumph," "Paragon," "Paramount," "Planet," "Signet," "Silver Steel," "Singer," "Speedwell," "Trojan," "Victor," "Vulcan," "Worthmower"
Granite State Mowing Machine Co., Hinsdale, N. H. "Granite State," "White Mountain"
Great States Corp., Richmond, Ind. "De Luxe," "Velvet Green," (Unbreakable)
Heineke & Co., Springfield, Ill. "Ideal," "La Salle," "Lincoln," "Monarch," "Sangamo," "Springfield," "Union," "Universal"
Henley Lawn Mower Co., Richmond, Ind. "Atlas," "Automatic," "Champion," "Chieftain," "Classic," "Emerald," "Emperor," "Empress," "Firefly," "Gem," "Henley All Steel," "Henley Putting Green," "Monitor," "Pacemaker," "Pathfinder," "Peerless," "Pilot," "Premier," "Radium," "Rainbow," "Reliance," "Republic," "Target," "Viking"
Herschel (R.) Mfg. Co., Peoria, Ill. "Carol," "Chicago," "Chief," "Cricket," "Diamond," "Diamond Special," "Electric," "Greyhound," "Hermaco," "Hummer," "Junior," "Junior Special," "Little Shaver," "Marksman," "Norka," "Peoria," "Premium," "Sonnet," "W. & B.," "Warbler," "Western," "Whitman-Barnes"
Ideal Power Lawn Mower Co., 425 Kalamazoo, Lansing, Mich. "Greens," "Ideal Greensmower" (Comb. Roller and Mower), "Wolverine"
Johnston Pressed Gear Co., Ottumwa, Ia.
Lisle Corp., Clarinda, Ia. "Big 10," "Blue Bird," "Chief," "Little Daisy," "Luxmow," "Red Gem," "Trimplex," "Trumow"
McLain (F. H.) Co., Lincoln, Neb. "Hi-Cut," "Victory"
Mast, Foos & Co., Springfield, O. "Buckeye," "Gilt Edge," "Sky Pilot," "White Star"
Pennsylvania Lawn Mower Wks., Inc., Primos, Del. Co., Pa. "Aristocrat," "Bellevue," "Belmont," "Continental," "Delta," "Electra," "Fairway Gangs," "Great American," "Invader," "Klifton," "New Aristocrat," "New Departure," "New Westfield," "Orchid," "Panama," "Penna-Lite," "Pennsylvania Golf," "Pennsylvania Junior," "Pennsylvania Pony," "Pennsylvania Putting Green," "Pennsylvania Standard," "Pennsylvania Super," "Poinsettia," "Primos," "Quaker City," "Red Cloud," "Stratford," 'Super Great American," "Super Roller," "Wm. Penn" (All Steel Unbreakable)
Philadelphia Lawn Mower Co., Inc., 4250 Wissahickon Av., Phila., Pa. "A-Golf," "All Day," "B B," "C," "Dewey," "Drexel," "E," "Graham Golf," "Graham," "Independence," "K," "KRB," "M," "New," "S," "University"
Reading Hdw. Co., Reading, Pa. "Keystone," "National," "Nipper," "Quality," "Special"
Red Cross Mfg. Co., Oak and Washington, Bluffton, Ind.
Rugg (E. T.) Co., Newark, O. "Comanche," "Iroquois," "Loganda," "Rugg-Ed," "Rugg-Ed Chief," "Savage," "Super-Service"
Stearns (E. C.) & Co., Syracuse, N. Y. "Albany," "Cayuga," "Matchless," "Mohawk," "Oswego," "Royal," "Seneca," "Stearns Ecsco," "Troy," "Utica"
Townsend (S. P.) Co., Bloomfield, N. J. "Blue Jay," "Derby," "Essex," "Finisher," "Flyer," "Gleaner," "Lion," "Matchless," "Orange," "Red Bird," "Spider," "Superb," "Victory"
Worcester Lawn Mower Co., Worcester, Mass. "Bob Cut," "Elm Par," "Grass Hound," "Green Mountain," "High Wheel Invincible," "International," "Invincible," "Master," "Monitor," "Mount Tom," "New England," "New Worcester," "Tip Top," "Wizard"

MOWERS, Lawn, Hand, Pressed Steel

Cureton Metal Products Co., Mt. Vernon, O.
Reading Hdw. Co., Reading, Pa.

MOWERS, Lawn, Hand, Sliding-Knife

Clipper Mfg. Co., Inc., Dixon, Ill.

MOWERS, Lawn, Horse

Chadborn & Coldwell Mfg. Co., Newburgh, N. Y. "New Excelsior Pony," "Twentieth Century,"
Clipper Mfg. Co., Inc., Dixon, Ill.
Coldwell Lawn Mower Co., Newburgh, N. Y. "Coldwell's Demountable," "Coldwell's Pony," "Coldwell's Universal," "Improved" (All Steel)
Dille & McGuire Mfg. Co., Richmond, Ind. "Richmond"
F. & N. Lawn Mower Co., Richmond, Ind. "Fenden," "Crestlawn"
Henley Lawn Mower Co., Richmond, Ind. "Pony"
Ideal Power Lawn Mower Co., 425 Kalamazoo, Lansing, Mich. "Bulldog"
Illinois Iron & Bolt Co., Carpentersville, Ill. "Buckeye"
International Harvester Co. of America, Chicago, Ill. "McCormick"
Pennsylvania Lawn Mower Wks., Inc., Primos, Del. Co., Pa. "Fairway Pony," "Pennsylvania Standard," Pennsylvania Trio Gang"
Philadelphia Lawn Mower Co., Inc., 4250 Wissahickon Av., Phila., Pa. "Eagle"
Townsend (S. P.) Co., Bloomfield, N. J. "Glorious," "Triplex," "Triplex Ratchet"

MOWERS, Lawn, Power

Coldwell Lawn Mower Co., Newburgh, N. Y. "Cub," "L-Junior," "L-Twin," "Twin 30," (Electric and Gasoline)
Cooper Mfg. Co., Marshalltown, Ia.
Dodge (H. C.), Inc., Boston, Mass. "Elvacut" (Electric Vacuum)
Eclipse Lawn Mower Co., Prophetstown, Ill.
Electric Vacuum Lawn Mower Co., Stockton, Cal. "Lawn Vac"
Elto Div., Outboard Motors Corp., Milwuakee, Wis. "Lawn-Boy"
F. & N. Lawn Mower Co., Richmond, Ind. "Crestlawn Electric," "Crestlawn Thirty," "Fordson Quintette," "Titan Thirty," "Triplex" (Electric and Gasoline)
Federal Fdry. Supply Co., Cleveland, O.
Gilson Bolens Mfg. Co., Pt. Washington, Wis.
Henley Lawn Mower Co., Richmond, Ind. "Henley Electric," "Mogul Thirty," "Thirty" (Electric and Gasoline)
Ideal Power Lawn Mower Co., 425 Kalamazoo, Lansing, Mich. "Ideal Junior Triplex," "Ideal Majestic," "Ideal Master," "Ideal Triplex," "Ideal Victor"
Jacobsen Mfg. Co., Racine, Wis. "4-Acre," "Junior," "Racine P-G"
Locke Chain Co., Bridgeport, Conn.
Louisville Electric Mfg. Co., Inc., 31st & Magazine, Louisville, Ky. "Pioneer" (Electric)
Milbradt Mfg. Co., 2410 N. 10th, St. Louis, Mo.
Modern Machine Wks., Inc., 193 Milwaukee, Milwaukee, Wis. "Red E"
Moto-Mower Co., 4600 Woodward Av., Detroit, Mich. "City," "Junior," "Standard," "Super-Detroit," "3-Way"
Muncie Gear Co., Muncie, Ind.
New York Toro Co., Minneapolis, Minn.
Outboard Motors Corp., Milwaukee, Wis. "Lawn-Boy"
Pennsylvania Lawn Mower Wks., Inc., Primos, Del. Co., Pa. "Pennsylvania New Fairway," "Pennsylvania Super Fairway"
Philadelphia Lawn Mower Co., Inc., 4250 Wissahickon Av., Phila., Pa. "Eagle"
Rawls Mfg. Co., Streator, Ill.

MOWERS, Lawn, Power (Continued)

Reed Motor Lawn Mower Co., 2020 Walnut, Chicago, Ill.
Stearns (E. C.) Co., Syracuse, N. Y.
Toro Mfg. Co., Minneapolis, Minn. "Park Junior," "Park Special"
Townsend (S. P.) Co., Bloomfield, N. J. "Triplex"
Worthington Mower Co., Stroudsburg, Pa. "Overgreen," "Overlawn," "Quintuplex"

MOWERS, Lawn, Toy

Arcade Mfg. Co., Freeport, Ill. "Clipper"
Blair Mfg. Co., Springfield, Mass. "Blair Jr."
Hubley Mfg. Co., Lancaster, Pa.
Marion Craftsman Tool Co., Marion, Ind.

MOWERS, Roller

Coldwell Lawn Mower Co., Newburgh, N. Y.
F. & N. Lawn Mower Co., Richmond, Ind. "F. & N. Putting Green"
Gilson Bolens Mfg. Co., Pt. Washington, Wis.
Henley Lawn Mower Co., Richmond, Ind. "Henley Putting Green"
Ideal Power Lawn Mower Co., 425 Kalamazoo, Lansing, Mich. "Ideal Greensmower" (Comb. Roller and Mower)
Pennsylvania Lawn Mower Wks., Inc., Primos, Del. Co., Pa. "Pennsylvania Super"
Philadelphia Lawn Mower Co., Inc., Phila., Pa.

MOWING MACHINES

Avery (B. F.) & Sons, Louisville, Ky. "Champion"
Deere & Co., Moline, Ill. "Dain"
Eureka Mower Co., Utica, N. Y.
Gilson Bolens Mfg. Co., Pt. Washington, Wis.
Independent Harvester Co., Plano, Ill.
International Harvester Co. of America, 606 S. Michigan Av., Chicago, Ill. "Deering," "McCormick"
Massey-Harris Co., Racine, Wis.
Moline Implement Co., Moline, Ill.
Seiberling & Miller Co., Doylestown, O. "Empire"

MUFFIN PANS—See Pans, Cake

MULE SHEARS—See Shears, Mule

MULE SHOE NAILS—See Nails, Horse Shoe

MULE SHOES—See Shoes, Horse and Mule

MULTI-CELL UNITS, DRY BATTERIES—See Batteries, Dry

MULTIPLE BATTERY CABLES—See Cables, Multiple Battery

MUSICAL SAWS—See Saws, Musical

MUSICAL TOYS and INSTRUMENTS

Converse-Mason Corp., Winchendon, Mass.
Gretsch (Fred.) Mfg. Co., 60 B'way, Bklyn., N. Y.
Jackson-Guldan Violin Co., Columbus, O.
Kazoo Co., Inc., Buffalo, N. Y.
Noble & Cooley Co., Granville, Mass.
Schoenhut (A.) Co., Phila., Pa.
Sonophone Co., 548 Wythe Av., Bklyn., N. Y. "Song-o-Phone"
Stoer Mfg. Co., St. Louis, Mo. "De-Do Drum"
Wolverine Supply & Mfg. Co., Pittsburgh, Pa. "Zilotone" (Xylophone)

MUZZLES, Dog

Baltimore Leather Goods Co., Baltimore, Md.
Brauer Bros., Inc., St. Louis, Mo. "Moose Brand"
Craftsman Leather Specialty Co., Dayton, O.
Decker (J. C.), Inc., Montgomery, Pa.
Economy Mfg. Co., Phila., Pa.
Gatch Brush & Wire Goods Co., Baltimore, Md.
Graton & Knight Co., Worcester, Mass.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Lefkowitz (Louis) & Bro., 1 Greene, New York, N. Y.
Meyers (Fred J.) Mfg. Co., Hamilton, O.
Milwaukee Saddlery Co., 1064 Oakland Av., Milwaukee, Wis.
Pine, Geo. D., 89 Chambers, New York, N. Y.
Rome Sporting Goods Mfg. Co., Rome, N. Y.
Schaefer, A. W., 323 St. Nicholas Av., Bklyn., N. Y.
Spratts Patent Ltd., 14 Congress, Newark, N. J.
Stevens (W. B.) & Son, 33 Warren, New York, N. Y.
Washburn Company, Worcester, Mass.
Wyeth Hdw. & Mfg. Co., St. Joseph, Mo.

MUZZLES, Horse and Ox

Bromwell Wire Goods Co., Cincinnati, O.
Gatch Brush & Wire Goods Co., Baltimore, Md.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Jeliff (C. O.) Mfg. Corp., Southport, Conn.
Jelliff (Geo. H.) & Son, New Canaan, Conn.
Meyers (Fred J.) Mfg. Co., Hamilton, O.
Washburn Company, Worcester, Mass.
Worcester Wire Novelty Co., Inc., Baltimore, Md. "Hold-Em"

MUZZLES, Ox—See Muzzles, Horse and Ox

NAIL ANCHORS, EXPANSION—See Anchors, Screw and Nail, Expansion

NAIL BINS—See Bins, Nail

NAIL BRUSHES—See Brushes, Nail

NAIL CLAWS—See Claws and Grabs, Nail

NAIL FILE CASES—See Cases, Comb, Nail File, Etc.

NAIL GRABS—See Claws and Grabs, Nail

NAIL POCKETS—See Aprons, Canvas

NAIL PULLERS—See Pullers, Nail

NAIL SETS—See Sets, Nail

NAILERS, Automatic—See Nailers and Tackers, Automatic

NAILERS and TACKERS, Automatic

Automatic Stapler Co., Chicago, Ill. (Tag, Tacking, etc.)
Clark, Harmon, Chicago, Ill. (Box)
Doig (W. S.), Inc., 54 Franklin, Brooklyn, N. Y. (Box)
Morgan Machine Co., Rochester, N. Y. (Box)
Parker Machine Wks., Riverside, Cal. (Plain and Automatic)
Pearson Mfg. Co., Robbinsdale, Minn. (Nailing & Tacking)
Tack Gun Automatic Machine Corp., 396 B'way, New York, N. Y. (Wire Screen & Tag Tackers)

NAILS—See also Brads; also Tacks

NAILS, Aluminum

Hassall (John), Inc., 402 Oakland, B'klyn, N. Y.
Townsend Co., New Brighton, Pa.

NAILS, Barbed

American Steel Co., Pittsburgh, Pa.
American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
Belfont Steel & Wire Co., Ironton, O.
Crescent Brass & Pin Co., Detroit, Mich. "Simplex"
Gulf States Steel Co., Birmingham, Ala.
Keystone Steel & Wire Co., Peoria, Ill.
Northwestern Barb Wire Co., Inc., Sterling, Ill.
Pittsburgh Steel Co., Union Trust Bldg., Pittsburgh, Pa.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Townsend Co., New Brighton, Pa.
Washburn Company, Worcester, Mass.
Wheeling Corrugating Co., Wheeling, W. Va.
Wheeling Steel Corp., Wheeling, W. Va. "Wheeling"
Wickwire Spencer Steel Corp., 41 E. 42d, New York, N. Y.
Wilson Steel Products Co., Chicago, Ill.
Youngstown Steel Products Co., Youngstown, O.

NAILS, Boat

American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
Atlas Tack Corp., Fairhaven, Mass.
Chase Brass & Copper Co., Waterbury, Conn.
Hassall (John), Inc., 402 Oakland, Brooklyn, N. Y.
Tremont Nail Co., Wareham, Mass.
Wilcox, Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.

NAILS, Carpet

American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
Turner & Seymour Mfg. Co., Torrington, Conn.
Wateman (R. C.) & Co., S. Hanover, Mass.
Wheeling Corrugating Co., Wheeling, W. Va.
Wheeling Steel Corp., Wheeling, W. Va.

NAILS, Cement Coated

American Steel & Wire Co., 208 S. La Salle, Chicago, Ill. "Pearson"
Kokomo Nail & Brad Co., Kokomo, Ind.
Mid-States Steel & Wire Co., Crawfordsville, Ind.
Pittsburgh Steel Co., Union Trust Bldg., Pittsburgh, Pa.
Wheeling Corrugating Co., Wheeling, W. Va.
Wickwire Bros., Cortland, N. Y.

NAILS, Copper

American Steel & Wire Co., Chicago, Ill.
Angell Nail & Chaplet Co., Cleveland, O.
Atlas Tack Corp., Fairhaven, Mass.
Beardsley & Wolcott Mfg. Co., Waterville, Conn. "B. & R. Brand," "Metalene," "Rooster Brand"
Chase Brass & Copper Co., Waterbury, Conn.
Clendenin Bros., Inc., Baltimore, Md.
Dennis (W. J.) & Co., Chicago, Ill. "Copperweld"
Hassall (John), Inc., 402 Oakland, B'klyn, N. Y.
Holland Mfg. Co., Baltimore, Md.
Hussey (C. G.) & Co., Pittsburgh, Pa.
Milwaukee Tack Co., Milwaukee, Wis.
Penn Tack Co., Norristown, Pa.
Shelton Tack Co., Shelton, Conn.
Townsend Co., New Brighton, Pa.
Turner & Seymour Mfg. Co., Torrington, Conn. (Wire and Shingle)
Wilson Steel Products Co., Chicago, Ill.

NAILS, Cut

Atlas Tack Corp., Fairhaven, Mass.
Baur Tack Co., Indianapolis, Ind. "O-B"
Cross (W. W.) & Co., Inc., East Jaffrey, N. H.
Holland Mfg. Co., Baltimore, Md.
Penn Tack Co., Norristown, Pa.
Reading Iron Co., Reading, Pa. "Rico"
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Tremont Nail Co., Wareham, Mass.
Wheeling Corrugating Co., Wheeling, W. Va.
Wheeling Steel Corp., Wheeling, W. Va. "Wheeling La Belle"
York Tack & Nail Wks., York, Pa.

NAILS, Forged

Braun (J. G.) Co., Chicago, Ill.
Hess (Chas.) Co., 49-14 Metropolitan Av., Brooklyn, N. Y.

NAILS, Galvanized

American Steel Co., Pittsburgh, Pa.
American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
Angell Nail & Chaplet Co., Cleveland, O.
Atlas Tack Corp., Fairhaven, Mass.
Belfont Steel & Wire Co., Ironton, O.
Bethlehem Steel Co., Bethlehem, Pa.
Globe Iron Roofing and Corrugating Co., Newport, Ky.
Gulf States Steel Co., Birmingham, Ala.
Iron Trade Products Co., Pittsburgh, Pa.
Malleable Iron Fittings Co., 10 Nichols, Branford, Conn. "M. I. F. Co."
Mid-States Steel & Wire Co., Crawfordsville, Ind.
Pittsburgh Steel Co., Union Trust Bldg., Pittsburgh, Pa. "Silver Band"
Reading Iron Co., Reading, Pa. (Cut only)
Roberts (G. G.) Corp., Whitman, Mass.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Townsend Co., New Brighton, Pa.
Tremont Nail Co., Wareham, Mass.
Turner & Seymour Mfg. Co., Torrington, Conn.
Wheeling Corrugating Co., Wheeling, W. Va.
Wheeling Steel Corp., Wheeling, W. Va. "Wheeling"
Wickwire Bros., Cortland, N. Y.
Wickwire Spencer Steel Co., Inc., 41 E. 42d, New York, N. Y.
Wilcox, Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.
Wilson Steel Products Co., Chicago, Ill.
Youngstown Steel Products Co., Youngstown, O.

NAILS, Hard Floor

Reading Iron Co., Reading, Pa. "Rico" (Cut only)
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Tremont Nail Co., Wareham, Mass.
Wheeling Corrugating Co., Wheeling, W. Va.
Wheeling Steel Corp., Wheeling, W. Va. "Wheeling"
Youngstown Steel Products Co., Youngstown, O.

NAILS, Horse Shoe

Capewell Horse Nail Co., Hartford, Conn.
Fowler & Union Horse Nail Co., Buffalo, N. Y. "Crown," "Northwestern," "Union," "Vulcan"
Standard Horse Nail Co., New Brighton, Pa. "Beaver," "Bright Shear Blue," "Brighton," "Leader," "New Standard," "Russell"

NAILS, Lead Head

American Casting & Mfg. Corp, 30 Main, Brooklyn, N. Y.
Atlantic Steel Co., Atlanta, Ga. "Dixisteel"
Brooks (E. J.) Co., 164 N. 13th, Newark, N. J.
Deniston Co., 4856 S. Western Av., Chicago, Ill. "Led-hed"
Dickson Weatherproof Nail Co., Evanston, Ill.
Eagle-Picher Lead Co., Cincinnati, O.
Filshie (Alexander) Co., Chicago, Ill.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.

NAILS, Lettered—See Nails, Screen or Numeral

NAILS, Masonry

Parker-Kalon Corp., 200 Varick, New York, N. Y.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.

NAILS, Mule Shoe—See Nails, Horse Shoe

NAILS, Ox Shoe—See Nails, Horse Shoe

NAILS, Plaster Board—See Nails, Wall Board

NAILS, Roofing and Slating

American Steel Co., Pittsburgh, Pa.
American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
Angell Nail & Chaplet Co., Cleveland, O.

NAILS, Roofing and Slating (Continued)

Atlas Tack Corp., Fairhaven, Mass.
Bridgeport Screw Co., Bridgeport, Conn.
Brooks (E. J.) Co., 164 N. 13th, Newark, N. J.
Chase Brass & Copper Co., Waterbury, Conn.
Clendenin Bros., Inc., Baltimore, Md.
Crescent Brass & Pin Co., Detroit, Mich. "Simplex"
Deniston Co., 4856 S. Western Av., Chicago, Ill. "led-bed," "Lead Seal"
Dickson Weatherproof Nail Co., Evanston, Ill.
Gulf States Steel Co., Birmingham, Ala.
Hussey (C. G.) & Co., Pittsburgh, Pa.
Interstate Iron & Steel Co., Chicago, Ill.
Jones & Laughlin Steel Co., Pittsburgh, Pa.
La Belle Iron Wks., Steubenville, O.
Malleable Iron Fittings Co., 10 Nichols, Branford, Conn. "M. I. F. Co."
Mid-States Steel & Wire Co., Crawfordsville, Ind.
Milwaukee Tack Co., Milwaukee, Wis.
New Delphos Mfg. Co., Delphos, O.
Northwestern Barb Wire Co., Inc., Sterling, Ill. "Non-Splitz"
Pittsburgh Steel Co., Union Trust Bldg., Pittsburgh, Pa.
Reading Iron Co., Reading, Pa. "Rico" (Cut only)
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Sherman (H. B.) Mfg. Co., Battle Creek, Mich.
Steel & Wire Products Co., Baltimore, Md.
Tower Mfg. Co., Elm & Commerce, Cincinnati, O.
Townsend Co., New Brighton, Pa.
Tremont Nail Co., Wareham, Mass. "Stay-Put"
Turner & Seymour Mfg. Co., Torrington, Conn.
Van Allen & Co., Northumberland, Pa.
Washburn Company, Worcester, Mass.
Wheeling Corrugating Co., Wheeling, W. Va.
Wheeling Steel Corp., Wheeling, W. Va. "Wheeling"
Wilson Steel Products Co., Chicago, Ill.
York Tack & Nail Wks., York, Pa.
Youngstown Steel Products Co., Youngstown, O.

NAILS, Rubber Headed

Elastic Tip Co., Boston, Mass.
Turner & Stanton, Norwich, Conn.

NAILS, Screen or Numeral

Beardsley & Wolcott Mfg. Co., Waterville, Conn. (Screen)
Fiwale Equipment Mfg. Co., Inc., 64 Reade, New York, N. Y.
Maughlin (H. P.) Co., Columbus, O.
Miller (Robert E.), Inc., 35 Pearl, N. Y. C. "Remco"
Moore Push Pin Co., 113-125 Berkley, Phila., Pa.
Noesting Pin Ticket Co., Inc., Mt. Vernon, N. Y.
Turner & Seymour Mfg. Co., Torrington, Conn.
Wilson Steel Products Co., Chicago, Ill.

NAILS, Screw

Parker-Kalon Corp., 200 Varick, New York, N. Y.

NAILS, Sheathing—See Nails, Sheathing

NAILS, Sherardized

Crescent Brass & Pin Co., Detroit, Mich. "Simplex"
Interstate Iron & Steel Co., Chicago, Ill.
Townsend Co., New Brighton, Pa.

NAILS, Shingle

American Steel Co., Pittsburgh, Pa.
American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
Angell Nail & Chaplet Co., Cleveland, O.
Atlas Tack Corp., Fairhaven, Mass.
Crescent Brass & Pin Co., Detroit, Mich. "Simplex"
Interstate Iron & Steel Co., Chicago, Ill.
Jones & Laughlin Steel Co., Pittsburgh, Pa.
La Belle Iron Wks., Steubenville, O.
Maze (W. H.) & Co., Inc., Peru, Ill.
Mid-States Steel & Wire Co., Crawfordsville, Ind.
Milwaukee Tack Co., Milwaukee, Wis.
National Sheet Metal Co., Peru, Ill.
Northwestern Barb Wire Co., Inc., Sterling, Ill.
Pittsburgh Steel Co., Union Trust Bldg., Pittsburgh, Pa.
Reading Iron Co., Reading, Pa. (Cut only)
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Townsend Co., New Brighton, Pa.
Tremont Nail Co., Wareham, Mass.
Turner & Seymour Mfg. Co., Torrington, Conn. (Copper)
Wheeling Corrugating Co., Wheeling, W. Va.
Wheeling Steel Corp., Wheeling, W. Va. "Wheeling"
Wilson Steel Products Co., Chicago, Ill.
Youngstown Steel Products Co., Youngstown, O.

NAILS, Shoe

Atlas Tack Corp., Fairhaven, Mass.
Baker (Geo.) & Sons, Brockton, Mass.
Baur Tack Co., Indianapolis, Ind. "O. B."
Bishop & Babcock Sales Co., Cleveland, O.
Cross (W. W.) & Co., Inc., East Jaffrey, N. H. "Tar Baby"
Holland Mfg. Co., Baltimore, Md.
Milwaukee Tack Co., Milwaukee, Wis.
National Screw & Mfg. Co., Cleveland, O.
Penn Tack Co., Norristown, Pa.
Roberts (G. G.) Corp., Whitman, Mass. "Bull Dog"
Tower Mfg. Co., Madison, Ind.
Townsend Co., New Brighton, Pa.

NAILS, Slating—See Nails, Roofing and Slating

NAILS, Stay—See Hold Fasts

NAILS, Upholsterers'
(See also Tacks, Upholsterers')

American Ring Co., Waterbury, Conn.
American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
Atlas Tack Corp., Fairhaven, Mass. "Metaleather"
Auto-Vehicle Parts Co., Newport, Ky. "Hit 'em"
Beardsley & Wolcott Mfg. Co., Waterville, Conn. "Berbecker"
Hillwood Mfg. Co., Cleveland, O.
Holland Mfg. Co., Baltimore, Md.
Mattatuck Mfg. Co., Waterbury, Conn. "Leatherene"
Miller (Robert E.), Inc., 35 Pearl, New York, N. Y. "Remco"
Morley Button Mfg. Co., Portsmouth, N. H. "Milonite" (Insulated)
National Screw & Mfg. Co., Cleveland, O.
North and Judd Mfg. Co., New Britan, Conn. "Matchleather," "Star," "Triangle Brand"
Penn Tack Co., Norristown, Pa.
Rhodes (M. M.) & Son Co., Taunton, Mass.
Turner & Seymour Mfg. Co., Torrington, Conn. "Eagle"

NAILS, Wall Board

American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
Angell Nail & Chaplet Co., Cleveland, O.
Crescent Brass & Pin Co., Detroit, Mich. "Simplex"
Pittsburgh Steel Co., Pittsburgh, Pa.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Wheeling Corrugating Co., Wheeling, W. Va.
Youngstown Steel Products Co., Youngstown, O.

NAILS, Wire

American Steel Co., Pittsburgh, Pa. "Kelcar," "Kelnail"
American Steel & Wire Co., 20 S. La Salle, Chicago, Ill. "American"
Angell Nail & Chaplet Co., Cleveland, O.
Atlantic Steel Co., Atlanta, Ga. "Dixisteel"
Atlas Tack Corp., Fairhaven, Mass.
Badger Nail Co., Milwaukee, Wis.
Baker (Chas. F.), Inc., Boston, Mass. "Holdfast"
Baker (Geo.) & Sons, Brockton, Mass.
Baur Tack Co., Indianapolis, Ind. "O-B"
Belfont Steel & Wire Co., Ironton, O.
Bethlehem Steel Co., Bethlehem, Pa.
Cedarburg Wire & Wire Nail Co., Cedarburg, Wis.
Colorado Fuel & Iron Co., Denver, Colo.
Continental Steel Corp., Kokomo, Ind.
Copperweld Steel Co., Glassport, Pa.
Crescent Brass & Pin Co., Detroit, Mich. "Simplex"
Cross (W. W.) & Co., Inc., East Jaffrey, N. H.
Ellwood Steel Corp., Ellwood City, Pa.
Fischer & Hayes Rope & Steel Co., Chicago, Ill. (Double Headed)
Gulf State Steel Co., Birmingham, Ala.
Hillwood Mfg. Co., Cleveland, O. "Helyx"
Holland Mfg. Co., Baltimore, Md.
Illinois Nail Co., Chicago, Ill.
Interstate Iron & Steel Co., Chicago, Ill. "Swastika"
Janesville Fence & Post Co., Janesville, Wis. "Apex," "O. K."
Jones & Laughlin Steel Co., Pittsburgh, Pa.
Keystone Steel & Wire Co., Peoria, Ill.
Kokomo Nail & Brad Co., Kokomo, Ind.
Mid-States Steel & Wire Co., Crawfordsville, Ind.
Milwaukee Tack Co., Milwaukee, Wis.
Neider (F. A.) Co., Augusta, Ky. (Double-Headed) "Economy"
Northwestern Barb Wire Co., Inc., Sterling, Ill.
Page Steel & Wire Co., Monessen, Pa.
Penn Hdwe. Co., Reading, Pa.
Penn Tack Co., Norristown, Pa.
Pittsburgh Steel Co., Union Trust Bldg., Pittsburgh, Pa.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Shelton Tack Co., Shelton, Conn.
Stronach Nail Co., Pittsburgh Pa. (Non-Splitting)
Townsend Co., New Brighton, Pa.
Turner & Seymour Mfg. Co., Torrington, Conn. (Copper)
Wheeling Corrugating Co., Wheeling, W. Va.
Wheeling Steel Corp., Wheeling, W. Va. "Wheeling"
Wickwire Bros., Cortland, N. Y.
Wickwire Spencer Steel Co., Inc., 41 E. 42d, New York, N. Y.
Wilson Steel Products Co., Chicago, Ill. (Cement coated)

NAILS, Zinc

Hassall (John), Inc., 402 Oakland, Brooklyn, N. Y.
Maze (W. H.) & Co., Inc., Peru, Ill.

NAILS, Zinc Coated

American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
Angell Nail & Chaplet Co., Cleveland, O.
Crescent Brass & Pin Co., Detroit, Mich. "Simplex"
Malleable Iron Fittings Co., Branford, Conn.
Pittsburgh Steel Co., Union Trust Bldg., Pittsburgh, Pa. "Silver Band"
Wheeling Steel Corp., Wheeling, W. Va. "Wheeling"

NAME PLATES—See Plates, Name

NAPKIN RINGS—See Rings, Napkin

NAPKINS, Paper

American Lace Paper Co., Milwaukee, Wis.
American Novelty Paper Co., Saugerties, N. Y.
American Tissue Mills, Holyoke, Mass.
Foley Paper Co., Springfield, Mass.
Marathon Paper Mills Co., Rothschild, Wis.
Royal Lace Paper Wks., 842 Lorimer, Bklyn., N. Y.
Tuttle Press Co., Appleton, Wis.
Wortendyke Mfg. Co., Richmond, Va.

NEEDLE BATHS—See Baths, Shower and Needle

NEEDLES, Lacing

Draper-Maynard Co., Plymouth, N. H.
Jenkinson (R. C.) & Co., 289 Washington, Newark, N. J. (Foot-Ball)
Parker Metal Goods Co., Worcester, Mass.
Parker Wire Goods Co., Worcester, Mass.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stall & Dean Mfg. Co., Brockton, Mass.

NEEDLES, MATTRESS—See Needles, Upholstery and Mattress

NEEDLES, Packing and Bagging

Barr Bros. Co., Oakland, Cal.
Beardsley & Wolcott Mfg. Co., Waterville, Conn.
Berbecker (Julius) & Sons, 15 E. 26th, New York, N. Y.
Boker (H.) & Co., 101 Duane, New York, N. Y.
Boye Needle Co., Chicago, Ill.
Durbrow & Hearne, 12 Wooster, New York, N. Y.
Osborne (C. S.) & Co., Box 183, Newark, N. J.
Wilcox, Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.

NEEDLES, Bagging—See Needles, Packing and Bagging

NEEDLES, Carpet—See Needles, Packing and Bagging

NEEDLES, Sail—See Needles, Packing and Bagging

NEEDLES, Upholstery and Mattress

Beardsley & Wolcott Mfg. Co., Waterville, Conn.
Berbecker (Julius) & Sons, 15 E. 26th, New York, N. Y.
Boye Needle Co., Chicago, Ill.
Durbrow & Hearne, 12 Wooster, New York, N. Y.
Osborne (C. S.) & Co., Box 183, Newark, N. J.

NEST EGGS—See Eggs, Nest

NEST SAWS—See Saws, Nest

NESTS, Poultry

Beatrice Steel Tank Mfg. Co., Beatrice, Neb. "Nu-Way"
Bernard (Phillip) Co., Sioux City, Ia. "O.K."
Brower Mfg. Co., Quincy, Ill.
Butler Mfg. Co., Kansas City, Mo.
Dayton Toy & Specialty Co., Dayton, O.
Gatch Brush & Wire Goods Co., Baltimore, Md.
Hoeft & Co., Inc., Chicago, Ill. "Moe's"
Hudson (H. D.) Mfg. Co., Chicago, Ill.
James Mfg. Co., Ft. Atkinson, Wis. "Jamesway"
Mit-Shel Stamping Mfg. Co., Quincy, Ill.
National Mfg. Co., Des Moines, Ia. "Ideal"
Oakes Mfg. Co., Tipton, Ind.
Starline, Inc., Harvard, Ill.
Thieman Harvester Co., Inc., Albert City, Ia. "Kleen-Kwik"
Weber-Kirch Mfg. Co., Keokuk, Ia. "W-K"

NESTED BLOCKS, Toy—See Blocks, Nested, Toy

NESTED STOVE PIPE—See Pipe, Stove

NET LEADS—See Leads, Net

NETS, Basket Ball

Anchor Post Fence Co., Baltimore, Md.
Collette Mfg. Co., Amsterdam, N. Y.
Draper-Maynard Co., Plymouth, N. H.
Ericksen Textile Co., Momence, Ill.
Goldsmith (P.) Sons Co., Cincinnati, O.
Ken-Wel Sporting Goods Co., Utica, N. Y.
Medart Co., St. Louis, Mo.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Reg'lar Fellers, Cincinnati, O.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.

NETS and EQUIPMENT, Fish

Abbey & Imbrie, Utica, N. Y.
Adams Net & Twine Co., St. Louis, Mo.
Ederer (R. J.) Net & Twine Co., Baltimore, Md.
Ericksen Textile Co., Momence, Ill.
Fish Net & Twine Co., 310 Bergen Av., Jersey City, N. J.

NETS and EQUIPMENT, Fish (Continued)

Fowler Net & Twine Co., Phila., Pa.
Knox (W. & J.) Net & Twine Co., Baltimore, Md.
Linen Thread Co., 200 Hudson, New York, N. Y. "Barbour"
National Net & Twine Co., E. Haddam, Conn. "Tanglefin"
Reisner Mfg. Co., Inc., Hagerstown, Md. "King Minnow Dip"
Richardson Rod & Reel Co., Chicago, Ill.
Starr Bros. Bell Co., E. Hampton, Conn.
Wallace Hdw. Co., Algonac, Mich.

NETS, Fly, Horse, Etc.

Algoma Net Co., Inc., Algoma, Wis.
Brougher (W. D.) Net Co., Wellsville, Pa.
Chase (L. C.) & Co., Boston, Mass.
Clippenger, H. C., Shippensburg, Pa.
Gem Hammock & Fly Net Co., Milwaukee, Wis.
Hess & Hopkins Leather Co., Rockford, Ill.
Kling Mfg. Co., Milwaukee, Wis.
Leh (Thos.) & Son, E. Greenville, Pa.
Outing Mfg. Co., Elkhart, Ind.
Ozias (J. H.) Mfg. Co., Quakertown, Conn.
Palmer (I. E.) Co., Middletown, Conn.
Scheffer & Rossum Co., St. Paul, Minn.

NETS, Landing

Barnesfold Net Co., San Francisco, Cal.
Heddon's (Jas.) Sons, Dowagiac, Mich.
Horrocks-Ibbotson Co., Dept. S, Utica, N. Y.
Ideal Equipment Co., Indianapolis, Ind. "Best Yet"
Mills (Wm.) & Son, 21 Park Pl., New York, N. Y.
Pepper (J. F.) & Co., 604 Kent, Rome, N. Y.
Perfection Mfg. Co., St. Louis, Mo.
Richardson Rod & Reel Co. Chicago Ill. "Champion," "Harrimac" "I.D.L.," "Our Own"
St. Charles Net & Hammock Co., St. Charles, Ill.
Shakespeare Co., Kalamazoo, Mich.
Weber Lifelike Fly Co., Stevens Point, Wis.
Winchester Repeating Arms Co., New Haven, Conn.

NETS, Tennis and Sport

Anchor Post Fence Co., Baltimore, Md. (Chain Link Wire)
Brine (James W.) Co., Boston, Mass.
Draper-Maynard Co., Plymouth, N. H.
Ederer (R. J.) Net & Twine Co., Baltimore, Md.
Goldsmith (P.) Sons Co., Cincinnati, O. (Tennis)
Linen Thread Co., 200 Hudson, New York, N. Y. "Barbour"
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stall & Dean Mfg. Co., Brockton, Mass.
Wilson-Western Sporting Goods Co., Chicago, Ill.

NETS, Volley Ball

Brine (James W.) Co., Boston, Mass.
Draper-Maynard Co., Plymouth, N. H.
Goldsmith (P.) Sons Co., Cincinnati, O.
Linen Thread Co., 200 Hudson, New York, N. Y. "Barbour"
Medart Co., St. Louis, Mo.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stall & Dean Mfg. Co., Brockton, Mass.

NETTING, Poultry—See Netting, Wire

NETTING, Wire, Poultry, Etc.

(See also Cloth, Wire)

American Steel & Wire Co., 208 S. LaSalle, Chicago, Ill. "American Hexagon," "Hextraline," "Straightline"
American Wire Fabrics Corp., 41 E. 42nd, New York, N. Y. "Clinton"
Atlantic Steel Co., Atlanta, Ga. "Dixisteel"
Cyclone Fence Co., Waukegan, Ill.
Estey Wire Wks. Co., 34 Cliff, New York, N. Y.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Indiana Steel & Wire Co., Muncie, Ind. "Imperial," "U. S."
Interstate Iron & Steel Co., Chicago, Ill.
Keystone Steel & Wire Co., Peoria, Ill. "Chic Mesh"
Kitselman Bros., Muncie, Ind. "Acme," "Universal"
Kokomo Steel & Wire Co., Kokomo, Ind.
Mid-States Steel & Wire Co., Crawfordsville, Ind.
Northwestern Barb Wire Co., Inc., Sterling, Ill. "Sterling"
Pittsburgh Steel Co., Pittsburgh, Pa.
Roebling's (John A.) Sons Co., Trenton, N. J. "Jersey"
Wheeling Corrugating Co., Wheeling, W. Va.
Wickwire Bros., Cortland, N. Y. "Hen-Chick," "Hexagon," "Net Wick," "W. W."
Wickwire Spencer Steel Co., Inc., 41 E. 42nd, New York, N. Y. "Clinton"
Wright (G. F.) Steel & Wire Co., Worcester, Mass. "Superior"

NETTING, Wire Poultry, Measuring Machine

Way-Jack Co., Inc., Poughkeepsie, N. Y.

NICKEL PLATED WASHERS—See Washers, Nickel Plated

NICKEL TABLE WARE—See Ware, Table

NIGHT LAMPS—See Lamps, Night

NIGHT LATCHES—See Latches, Night

NIPPERS

(See also Pliers)

Bridgeport Hdw. Mfg. Corp., Bridgeport, Conn.
Crescent Tool Co., Jamestown, N. Y. "Red Devil"
Damascus Steel Products Corp., Rockford, Ill. "Dasco"
Grey Iron Casting Co., Mt. Joy, Pa.
Sandvik Saw & Tool Corp., Minneapolis, Minn. "Bergs" (Imported)
Schollhorn (Wm.) Co., New Haven, Conn. "Bernard" (End and Diagonal)
Starrett (L. S.) Co., Athol, Mass.
Vaughan & Bushnell Mfg. Co., Chicago, Ill.

NIPPERS, Blacksmiths'

Heller Bros. Co., 875 Mt. Prospect Av., Newark, N. J.
Quinn Wire & Iron Wks., Boone, Ia. "Simplex"
Vaughan & Bushnell Mfg. Co., Chicago, Ill.

NIPPERS, Cutting

Bridgeport Hdw. Mfg. Corp., Bridgeport, Conn. "Hercules," "Matchless"
C-K-R Co., Cleveland, O.
Carolus Mfg. Co., Sterling, Ill.
Champion-De Arment Tool Co., Meadville, Pa.
Crescent Tool Co., Jamestown, N. Y. "Red Devil"
Damascus Steel Products Corp., Rockford, Ill. "Dasco"
Higganum Hdw. Co., Higganum, Conn. "Acme"
Hotchkiss (T. D.) Co., Deep River, Conn. "Todd"
Osborne (C. S.) & Co., Box 183, Newark, N. J.
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Robinson (M. W.) Co., 28 Warren, New York, N. Y. "Carew's"
Schollhorn (Wm.) Co., New Haven, Conn. "Bernard," "Lodi," "Paragon"
Smith, Otis A., Rockfall, Conn.
Starr Bros. Bell Co., E. Hampton, Conn. "Nettleton"
Starrett (L. S.) Co., Athol, Mass.
Utica Drop Forge & Tool Co., Utica, N. Y. "Bull Dog"

NIPPERS, Tinners', Etc.

Hotchkiss (T. D.) Co., Deep River, Conn. "Todd's"
Osborne (C. S.) & Co., Box 183, Newark, N. J. "Harrison"
Wusterbarth Bros., Meriden, Conn.

NIPPLE HOLDERS—See Holders, Nipple

NIPPLES, Hose

Acheson Mfg. Co., Rankin Sta., Braddock, Pa.
Allen (W. D.) Mfg. Co., Chicago, Ill.
American Brass & Copper Co., 80 Lafayette, New York, N. Y.
American Foundry & Mfg. Co., St. Louis, Mo.
American Safety Lamp & Mine Supply Co., Scranton, Pa.
Bard Mfg. Co., Royersford, Pa.
Boston Woven Hose & Rubber Co., Cambridge, Mass.
Chicago Nipple Mfg. Co., Los Angeles, Cal. "Blue Ribbon"
Crane Co., Chicago, Ill.
Dallett (Thos. H.) Co., Phila., Pa.
Dayton Malleable Iron Co., Dayton, O.
Elkhart Brass Mfg. Co., Elkhart, Ind.
Exeter Brass Wks., Exeter, N. H.
General Brass Co., Detroit, Mich.
Haydenville Co., Haydenville, Mass.
Hays Mfg. Co., Erie, Pa.
Illinois Malleable Iron Co., Chicago, Ill.
Keystone Brass & Rubber Co., Phila., Pa.
Knox Mfg. Co., Phila., Pa.
Livingston Mfg. Co., Rockland, Me.
Lunkenheimer Co., Cincinnati, O.
Medina Stamping & Mach. Co., Medina, N. Y.
Mueller Co., Decatur, Ill.
Roberts Brass Mfg. Co., Detroit, Mich.
Schlangen Mfg. Co., Chicago, Ill.
Sherman (H. B.) Mfg. Co., Battle Creek, Mich.
Standard Brass & Iron Wks., Milwaukee, Wis.
Walworth Co., Boston, Mass. "Locknut," "Wrought"

NIPPLES, Pipe—See Fittings, Pipe

NOAH'S ARKS

Converse-Mason Corp., Winchendon, Mass.
Mason & Parker Mfg. Co., Winchendon, Mass.

NOISEMAKERS

Adler Favor & Novelty Co., St. Louis, Mo.
American Novelty Wks., Lancaster, Pa.
Fishlove (H.) & Co., Chicago, Ill.
Kazoo Co., Buffalo, N. Y.
Kirchhof Patent Co., 60 Union, Newark, N. J.
Lisk (S.) & Bro., 14 E. 15th, New York, N. Y.
Marks Bros. Co., Boston, Mass.
Seiss Mfg. Co., Toledo, O.
Shackman (B.) & Co., 906 B'way, New York, N.Y.

NON-SKID CHAINS—See Chains or Grips, Tire, Non-Skid

NON-SKID GRIPS—See Chains or Grips, Tire, Non-Skid

NON-SLIPPING RUG COMPOUNDS—See Compounds, Rug, Non-Slipping

NOSE GUARDS—See Guards, Nose

NOSE PUNCHES—See Punches, Nose, Bull

NOSINGS, Stair

American Mason Safety Tread Co., Lowell, Mass.
Braun (J. G.) Co., Chicago, Ill.
Chase Brass & Copper Co., Waterbury, Conn.
Dahlstrom Metallic Door Co., Jamestown, N. Y.
Durkee Mfg. Co., Youngstown, O.
Gould Mersereau, 189 Lexington Av., New York, N. Y.
Hewitt-Gutta Percha Rubber Corp., Buffalo, N. Y.
Judd (H. L.) Co., 87 Chambers, New York, N. Y.
Knapp Rubber Binding Co., 357 2nd Av., New York, N. Y. "Antislippin"
McKenna Brass & Mfg. Co., Pittsburgh, Pa.
Newell Mfg. Co., Ogdensburg, N. Y. "Newlco"
Newman Mfg. Co., Cincinnati, O.
Painesville Metallic Binding Co., Painesville, O.
Venus Specialties Co., 1715 8th Av., B'klyn, N. Y.

NOVELTIES, Glass—See Glass Toys and Novelties

NOVELTY DOLLS—See Dolls, Novelty

NOVELTY KNIVES—See Knives, Pocket, Advertising

NOZZLE HOLDERS—See Holders, Nozzle

NOZZLES, Hose

Acheson Mfg. Co., Braddock, Pa. "Pet"
Allen (W. D.) Mfg. Co., Chicago, Ill. "Champion," "Gibbs," "Justrite," "Magic," "Mystic," "Peerless," "Water Saver"
Alsteel Mfg. Co., Battle Creek, Mich.
American Brass & Copper Co., 80 Lafayette, New York, N. Y.
American Foundry & Mfg. Co., St. Louis, Mo.
American Safety Lamp & Mine Supply Co., Scranton, Pa.
Anderson (G. A.) Mfg. Co., Baltimore, Md.
Bignall Co., Medina, N. Y.
Boston Coupling Co., Boston, Mass. "Haley"
Boston Woven Hose & Rubber Co., Cambridge, Mass. "Boston," "Eclipse"
Brown (E. C.) Co., Rochester, N. Y. "Non-Clog"
Buckeye Iron & Brass Wks., Dayton, O.
Clark Mfg. Co., Phila., Pa. "Giant Jr."
Clay, John H., Phila., Pa.
Cleveland Brass Mfg. Co., Cleveland, O. "Barrett Hosemaster"
Crane Co., Chicago, Ill. "Gem"
Durst Mfg. Co., 468 B'way, New York, N. Y. "Dumaco"
Eastman (Samuel) Co., East Concord, N. H.
Elkhart Brass Mfg. Co., Elkhart, Ind. "Elk," "Fireman's Pet"
Gaylord Mfg. Co., 40 Hamilton, Paterson, N. J.
Goodrich (B. F.) Rubber Co., Akron, O. "Multispray"
Haydenville Co., Haydenville, Mass.
Hays Mfg. Co., Erie, Pa.
Jones (Jas.) Co., Los Angeles, Cal.
Keystone Brass & Rubber Co., Phila., Pa.
Knox Mfg. Co., Phila., Pa.
Medina Stamping & Mach. Co., Medina, N. Y.
Morse (Andrew J.) & Son, Boston, Mass. "Monitor," "Mose"
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O. (also Spray)
National Brass Co., Grand Rapids, Mich. "Essential"
Nelson (L. R.) Mfg. Co., Peoria, Ill. "Dixie," "Peoria," "Rainboy"
New York Brass Turning Co., 568 B'way, New York, N. Y. "Brassturn"
Pasadena Sprinkler Co., Pasadena, Cal.
Peck Bros. & Co., New Haven, Conn.
Penberthy Injector Co., Detroit, Mich. "Water Gun"
Ross Sprinkler Co., Pasadena, Cal.
Schlangen Mfg. Co., Chicago, Ill. "Comet," "Daisy"
Scovill Mfg. Co., Waterbury, Conn. "Long Range"
Semler Co., Jeannette, Pa. "Maid of the Mist"
Sherman (H. B.) Mfg. Co., Battle Creek, Mich. "Boss," "Brass King," "Diamond," "Duo" (Also Spray Heads)
Smith (D. B.) & Co., Utica, N. Y.
Standard Brass & Iron Wks., Milwaukee, Wis.
Thompson Mfg. Co., Los Angeles, Cal.
Universal Nozzle Co., Indianapolis, Ind.
Wheaton (A. W.) Brass Wks., 110 Walnut, Newark, N. J. "Newark"
X. L. Mfg. Co., Chicago, Ill. (Spray Heads)

NUMBERED TACKS—See Nails, Screen or Numeral

NUMBERS—See also under Letters

NUMBERS, Aluminum—See Numbers and Letters, Metal

NUMBERS, House—See Numbers and Letters, Metal

NUMBERS, House, Illuminated, Electric

American Art Metal Wks., San Francisco, Cal.
Home Electrical Specialties Corp., Cleveland. O. "HomE-Find-R"
Volk Bros., Lakewood, O. "Dayanite"

NUMBERS and LETTERS, Luminous

Breen Radium Products Co., 452 Lexington Av., New York, N. Y. "Wurldsbest"
Cambridge Tile Mfg. Co., Covington, Ky. "Everbrite" (Tile)
Luminite Corp., 53 Johnson, Newark, N. J.
Miller (J. Walter) Co., Lancaster, Pa.
Morey Mfg. Co., Milwaukee, Wis. "Star-Brite" (Glass)
Novelty Lighting Corp., Cleveland, O.
Premax Products, Inc., Niagara Falls, N. Y.
Pryne & Co., Los Angeles, Cal.
Schwabbe (A.) & Co., Chicago, Ill.
U. S. Radium Corp., 535 Pearl, New York, N. Y. "Day-Nite," "U. S. R." (Also Non-Luminous)

NUMBERS, Luminous—See Numbers and Letters, Luminous

NUMBERS and LETTERS, Metal

Allen, Doane & Co., 29 Cornhill, Boston, Mass.
Aluminum Goods Mfg. Co., Manitowoc, Wis.
American Casting & Mfg. Corp., 30 Main, B'klyn, N. Y. "Acme"
American Ring Co., Dept. W, Waterbury, Conn.
Arcade Mfg. Co., Freeport, Ill.
Artistic Bronze Co., Bridgeport, Conn.
Artistic Metal Letter Co., Malden, Mass. (Interchangeable)
Borreson Mfg. Co., St. Paul, Minn.
Brainerd Mfg. Co., East Rochester, N. Y.
Breen Radium Products Co., 452 Lexington Av., New York, N. Y. "Wurldsbest"
Brim (A. W.) Co., Seneca Falls, N. Y. (Aluminum, Brass and White Metal)
Chain Products Co., 3290 Cooper Av., Cleveland, O. "Hodell"
Cincinnati Mfg. Co., Cincinnati, O.
Corbin, P. & F., New Britain, Conn.
Detroit Hardware Mfg. Co., Detroit, Mich.
Goldhill Hdwe. Mfg. Co., Los Angeles, Cal.
Hamilton Metal Products Co., Hamilton, O. "Climax"
Imperial Brass Mfg. Co., Chicago, Ill.
Ingram-Richardson Mfg. Co., Beaver Falls, Pa.
Keil (Francis) & Son, Inc., 401 E. 163rd, New York, N. Y. (Alum)
Knight (H. W.) & Son, Seneca Falls, N. Y.
Laughlin (Thos.) Co., 199 Fore, Portland, Me.
Macklanburg-Duncan Co., Oklahoma City, Okla. "Nu-Art"
Marbelite Company, Wallingford, Conn.
Mayer (Geo. J.) Co., Indianapolis, Ind.
Miller (J. Walter) Co., Lancaster, Pa.
Moise-Klinker Co., San Francisco, Cal.
National Brass Co., Grand Rapids, Mich. "Essential"
National Brass Mfg. Co., Cincinnati, O.
Norwalk Lock Co., 12 Warren, New York, N. Y.
Osborne (C. S.) & Co., Box 183, Newark, N. J.
Payson Mfg. Co., Chicago, Ill.
Penn Hdw. Co., Reading, Pa.
Premax Products, Inc., Niagara Falls, N. Y. "Premax Deluxe"
Providence Brass & Aluminum Foundry, Providence, R. I.
Reading Hdw. Co., Reading, Pa.
Ready Made Sign Co., 45 E. 17th, New York, N. Y.
Robbins (John) Mfg. Co., Boston, Mass.
Russell & Erwin Mfg. Co., New Britain, Conn. "Russwin"
Sargent & Co., New Haven, Conn.
Schlangen Mfg. Co., Chicago, Ill.
Schwerdtle Stamp Co., Bridgeport, Conn.
Shanafelt Mfg. Co., Canton, O.
Smith (F. P.) Wire & Iron Wks., Chicago, Ill.
Smith (R. H.) Mfg. Co., Springfield, Mass.
Stafford (N.) Co., 53d & 1st Av., B'klyn, N. Y.
Steere, Geo., Chicago, Ill.
Tell-Stop Appliance Co., Cleveland, O. (Metal Frame)
Tiffany Aluminum Products Co., St. Louis, Mo. (Aluminum)
Turner & Seymour Mfg. Co., Torrington, Conn.
Waterbury Button & Mfg. Co., Waterbury, Conn. (small)
Wilcox, Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.
Yale & Towne Mfg. Co., Stamford, Conn.

NURSERY REFRIGERATORS—See Refrigerators, Nursery

NURSERY SCALES—See Scales, Baby

NURSERY STAKES—See Stakes, Nursery and Garden

NUT AUGERS—See Augers, Nut

NUT CAPS—See Caps, Bolt, Nut & Screw

NUT CRACKERS—See Crackers and Picks, Nut

NUT FORCEPS—See Forceps, Nut

NUT PICKS—See Crackers and Picks, Nut

NUT SPLITTERS—See Splitters, Nut

NUT WRENCHES—See Wrenches, Adjustable, also Wrenches, Engineers' and Machinists'

NUTS, Brass Cap

Curtis Screw Co., Inc., Buffalo, N. Y.
Everitt Co., Boston, Mass.
Harper (H. M.) Co., Chicago, Ill.
Kaufman (Chas.) & Sons, Inc., Santa Ana, Cal.
Lincoln Brass Wks., Detroit, Mich.
National Acme Co., Cleveland, O.
National Machine Products Co., Detroit, Mich.
Pheoll Mfg. Co., Chicago, Ill.
St. Louis Screw & Bolt Co., St. Louis, Mo.
Screw Machine Specialty Co., Pittsburgh, Pa.
Steele & Johnson Mfg. Co., Waterbury, Conn.
Steward-Romaine Mfg. Co., Phila., Pa.
Turner-Warner Screw Co., Kansas City, Mo.
United Screw & Bolt Corp., Cleveland. O.
Western Automatic Mach. Screw Co., Elyria, O. (Also Steel)

NUTS, Brass and Copper

Ansonia Mfg. Co., Ansonia, Conn.
Autoscrew Co., 355 W. B'way, New York, N. Y. (Also Monel Metal)
Blake & Johnson Co., Waterbury, Conn.
Chase Brass & Copper Co., Waterbury, Conn.
Clark Bros. Bolt Co., Milldale, Conn.
Columbus Brass Co., Columbus, O.
Continental Screw Co., New Bedford, Mass. "Holtite"
Curtis Screw Co., Inc., Buffalo, N. Y.
Detroit Nut Co., Detroit, Mich.
Everitt Co., Boston, Mass.
Harper (H. M.) Co., Chicago, Ill.
Harris (Arthur) & Co., Chicago, Ill.
Lincoln Brass Wks., Detroit, Mich.
National Acme Co., Cleveland, O. (Brass)
Pheoll Mfg. Co., Chicago, Ill. (Brass)
Reed & Prince Mfg. Co., Worcester, Mass.
Rockford Bolt Co., Rockford, Ill.
St. Louis Screw & Bolt Co., St. Louis, Mo.
Scovill Mfg. Co., Plumbers' Brass Goods Div., Waterville, Conn.
Screw Machine Specialty Co., Pittsburgh, Pa.
Turner-Warner Screw Co., Kansas City, Mo.
United Screw & Bolt Corp., Cleveland, O.
Waterbury Mfg. Co., Waterbury, Conn.
Western Automatic Mach. Screw Co., Elyria, O. (Brass & Steel)
Western Screw Mfg. Co., Chicago, Ill.

NUTS, Case Hardened

Atlas Bolt & Screw Co., Cleveland, O.
Bethlehem Steel Co., Bethlehem, Pa.
Chicago Screw Co., Chicago, Ill.
Clark Bros. Bolt Co., Noble Rd., Milldale, Conn.
Curtis Screw Co., Inc., Buffalo, N. Y.
Gary Screw & Bolt Co., Chicago, Ill.
Haskell (Wm. H.) Mfg. Co., Pawtucket, R. I.
Milton Mfg. Co., Milton, Pa.
National Acme Co., Cleveland, O.
National Screw & Mfg. Co., Cleveland, O.
Neely Nut & Bolt Co., Pittsburgh, Pa. "Nubolt"
Pawtucket Mfg. Co., Pawtucket, R. I.
Pheoll Mfg. Co., Chicago, Ill.
Pittsburgh Screw & Bolt Co., Pittsburgh, Pa.
Republic Steel Corp., Upson Nut Div., Cleveland, O. "Upson"
Rhode Island Tool Co., Providence, R. I.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y. "Empire"
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
St. Louis Screw & Bolt Co., St. Louis, Mo.
Turner-Warner Screw Co., Kansas City, Mo.
Waltham Screw Co., Waltham, Mass.
Western Automatic Mach. Screw Co., Elyria, O.

NUTS, Castellated

Acme Machine Products Co., Muncie, Ind.
Atlas Bolt & Screw Co., Cleveland, O.
Buffalo Bolt Co., N. Tonawanda, N. Y.
Cap Screw & Nut Co. of America, 38 Renwick, New York, N. Y.
Clark Bros. Bolt Co., Noble Rd., Milldale, Conn.
Columbia Nut & Bolt Co., Bridgeport, Conn.
Corbin Screw Corp., New Britain, Conn.
Heiz & Heiz, Bush Terminal Bldg., B'klyn, N. Y. "H-H"
Lamson & Sessions Co., 1981 W. 85th, Cleveland, O.
National Acme Co., Cleveland. O.
National Screw & Mfg. Co., Cleveland, O.
Republic Steel Corp., Upson Nut Div., Cleveland, O. "Upson"
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y. "Empire"
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
St. Louis Screw & Bolt Co., St. Louis, Mo.
Turner-Warner Screw Co., Kansas City, Mo.
United Screw & Bolt Corp., Cleveland, O.
Western Automatic Mach. Screw Co., Elyria, O.

NUTS, Caster

Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y. "Empire"

NUTS, Chamfered

Atlas Bolt & Screw Co., Cleveland, O.
Republic Steel Corp., Upson Nut Div., Cleveland, O.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y. "Empire"
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.

NUTS, Check and Jam

Atlas Bolt & Screw Co., Cleveland, O.
Chicago Screw Co., Homan Av. & Fillmore, Chicago, Ill.
Clark Bros. Bolt Co., Noble Rd., Milldale, Conn.
Harper (H. M.) Co., Chicago, Ill.
Haskell (Wm. H.) Mfg. Co., Pawtucket, R. I.
Milton Mfg. Co., Milton, Pa.
National Screw & Mfg. Co., Cleveland, O.
Pheoll Mfg. Co., Chicago, Ill.
Pittsburgh Screw & Bolt Co., Pittsburgh, Pa.
Republic Steel Corp., Upson Nut Div., Cleveland, O. "Upson"
Rhode Island Tool Co., Providence, R. I.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
St. Louis Screw & Bolt Co., St. Louis, Mo.
Turner-Warner Screw Co., Kansas City, Mo.
Western Automatic Mach. Screw Co., Elyria, O.

NUTS, Clevis

Bonney Forge & Tool Wks., Allentown, Pa.
Cleveland City Forge & Iron Co., Cleveland, O.
Merrill Bros., Maspeth, N. Y.

NUTS, Cold Drawn

Curtis Screw Co., Inc., Buffalo, N. Y.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
St. Louis Screw & Bolt Co., St. Louis, Mo.

NUTS, Cold Pressed—See Nuts, Cold Punched

NUTS, Cold Punched

American Equipment Co., Norristown, Pa.
Atlas Bolt & Screw Co., Cleveland, O.
Bayonne Bolt & Nut Corp., Bayonne, N. J.
Bethlehem Steel Co., Bethlehem, Pa.
Berry Bros., Columbus, O.
Buffalo Bolt Co., North Tonawanda, N. Y.
Cap Screw & Nut Co. of America, 38 Renwick, New York, N. Y.
Chicago Screw Co., Chicago, Ill.
Clark Bros. Bolt Co., Noble Rd., Milldale, Conn.
Columbia Nut & Bolt Co., Bridgeport, Conn.
Columbus Bolt Wks. Co., Columbus, O.
Gary Screw & Bolt Co., Chicago, Ill.
Haskell (Wm. H.) Mfg. Co., Pawtucket, R. I.
Lamson & Sessions Co., Cleveland, O.
Maryland Bolt & Nut Co., Baltimore, Md.
Milton Mfg. Co., Milton, Pa.
National Screw & Mfg. Co., Cleveland, O.
Neely Nut & Bolt Co., Pittsburgh, Pa. "Nubolt"
Ohio Nut & Bolt Co., Berea, O.
Oliver Iron & Steel Co., Pittsburgh, Pa.
Pawtucket Mfg. Co., Pawtucket, R. I.
Pheoll Mfg. Co., Chicago, Ill.
Pittsburgh Screw & Bolt Co., Pittsburgh, Pa.
Republic Steel Corp., Upson Nut Div., Cleveland. O. "Upson"
Rhode Island Tool Co., Providence, R. I.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y. "Empire"
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
St. Louis Screw & Bolt Co., St. Louis, Mo.
Smith (Thos.) Co., Worcester, Mass.
Turner-Warner Screw Co., Kansas City, Mo.
Western Screw Mfg. Co., 4419 W. Kinzie, Chicago, Ill.

NUTS, Copper—See Nuts, Brass and Copper

NUTS, Finished

Corbin Screw Corp., New Britain, Conn.
Pheoll Mfg. Co., Chicago, Ill.
Pittsburgh Screw & Bolt Co., Pittsburgh, Pa.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y. "Empire"
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Screw Machine Specialty Co., Pittsburgh, Pa.

NUTS, Hexagon—See Nuts, Square and Hexagon

NUTS, Hexagon, Brass

American Screw Co., Providence, R. I.
Atlas Bolt & Screw Co., 1100 Ivanhoe Rd., Cleveland, O.
Clark Bros. Bolt Co., Noble Rd., Milldale, Conn.
Curtis Screw Co., Inc., Buffalo, N. Y.
Everitt Co., Boston, Mass.
Harper (H. M.) Co., Chicago, Ill.
Hartford Machine Screw Co., Hartford, Conn.

NUTS, Hexagon, Brass (Continued)

National Acme Co., Cleveland, O.
National Screw & Mfg. Co., Cleveland, O.
Nolte Screw Mach. Products Co., Cincinnati, O.
Turner-Warner Screw Co., Kansas City, Mo.
United Screw & Bolt Corp., Cleveland, O.
Waltham Screw Co., Waltham, Mass.

NUTS, Hot Pressed

American Bolt Co., Birmingham, Ala.
American Equipment Co., Norristown, Pa.
Ames (W.) & Co., 417 Communipaw Av., Jersey City, N. J.
Atlas Bolt & Screw Co., Cleveland. O.
Ballard Drop Forge Co., Seattle, Wash.
Bayonne Bolt & Nut Co., Bayonne, N. J.
Bethlehem Steel Co., Bethlehem, Pa.
Boss Bolt & Nut Co., Chicago, Ill.
Buffalo Bolt Co., North Tonawanda, N. Y.
Cap Screw & Nut Co. of America, 38 Renwick, New York, N. Y.
Clark Bros. Bolt Co., Noble Rd., Milldale, Conn.
Columbus Bolt Wks. Co., Columbus, O.
Gary Screw & Bolt Co., Chicago, Ill.
Lamson & Sessions Co., 1981 W. 85th, Cleveland, O.
Maryland Bolt & Nut Co., Baltimore, Md.
Merrill Bros., Maspeth. N. Y.
Milton Mfg. Co., Milton, Pa.
National Screw & Mfg. Co., Cleveland, O.
Neely Nut & Bolt Co., Pittsburgh, Pa. "Nubolt"
Ohio Nut & Bolt Co., Berea, O.
Oliver Iron & Steel Co., Pittsburgh, Pa.
Pittsburgh Screw & Bolt Co., Pittsburgh, Pa.
Republic Steel Corp., Upson Nut Div., Cleveland, O. "Upson"
Rockford Bolt Co., Rockford, Ill.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
St. Louis Screw & Bolt Co., St. Louis, Mo.
Screw Machine Specialty Co., Pittsburgh, Pa.
Turner-Warner Screw Co., Kansas City, Mo.

NUTS, Jam—See Nuts, Check and Jam

NUTS, Joint

Bethlehem Steel Co., Bethlehem, Pa.
Clark Bros. Bolt Co., Milldale, Conn.
Gary Screw & Bolt Co., Chicago, Ill.
Haskell (Wm. H.) Mfg. Co., Pawtucket, R. I.
Pittsburgh Screw & Bolt Co., Pittsburgh, Pa.
Republic Steel Co., Upson Nut Div., Cleveland, O. "Upson"
Rhode Island Tool Co., Providence, R. I.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y. "Empire"
St. Louis Screw & Bolt Co., St. Louis, Mo.
Screw Machine Specialty Co., Pittsburgh, Pa.
Smith (Thos.) Co., Worcester, Mass.

NUTS, Knurled

Corbin Screw Corp., New Britain, Conn.
Curtis Screw Co., Inc., Buffalo, N. Y.
Everitt Co., Boston, Mass.
Harper (H. M.) Co., Chicago, Ill.
National Acme Co., Cleveland, O.
Pheoll Mfg. Co., Chicago, Ill.
Pratt & Whitney Co., Hartford, Conn.
St. Louis Screw & Bolt Co., St. Louis, Mo.
Screw Machine Specialty Co., Pittsburgh, Pa.
United Screw & Bolt Corp., Cleveland, O.
Western Automatic Mach. Screw Co., Elyria, O.

NUTS, Lock
(See also Washers, Lock)

American Nut & Bolt Fastener Co., Pittsburgh, Pa. "Bartley," "O. S."
Bayonne Bolt & Nut Co., Bayonne, N. J.
Columbia Nut & Bolt Co., Bridgeport, Conn. "Gib"
General Automatic Nut Lock Corp., General Motors Bldg., New York, N. Y.
Hidalgo Steel Co., 74 Varick, New York, N. Y. "Shekleton"
International Safety Lock Nut Corp., 67 Broad, New York, N. Y. "Dalwa"
Industrial Lock Nut Co., Inc., So. Hanover, Mass. "Perma-Tite"
Lincoln Brass Wks., Detroit, Mich.
MacLean-Fogg Lock Nut Co., Chicago, Ill.
Palnut Co., Irvington, N. J.
Payne, Stephen H., 30 Church, New York, N. Y. "Hold-Tite"
Positive Lock Washer Co., 181 Miller, Newark, N. J.
Pratt (Wm. E.) Mfg. Co., Joliet, Ill.
Premax Products, Inc., Niagara Falls, N. Y.
Safety Nut Corp., Phila., Pa.
Selflock Screw Products Co., Syracuse, N. Y.
Turner-Warner Screw Co., Kansas City, Mo.

NUTS, Machine Screw

American Screw Co., Providence, R. I.
Atlas Bolt & Screw Co., Cleveland, O.
Attwood Brass Wks., Grand Rapids, Mich.
Cap Screw & Nut Co. of America, 38 Renwick, New York, N. Y.
Continental Screw Co., New Bedford, Mass. "Holtite"
Corbin Screw Corp., New Britain, Conn.
Economy Screw Corp., Chicago. Ill.
Elco Tool & Screw Corp., Rockford, Ill.
Heiz & Heiz, Bush Terminal Bldg., B'klyn, N. Y. "H-H"
National Screw & Mfg. Co., Cleveland, O.
Pheoll Mfg. Co., Chicago, Ill.
Progressive Mfg. Co., Torrington, Conn.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y. "Empire"
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Screw Machine Specialty Co., Pittsburgh, Pa.
Turner-Warner Screw Co., Kansas City, Mo.
United Screw & Bolt Corp., Cleveland, O.

NUTS, Milled

Corbin Screw Corp., New Britain, Conn.
National Acme Co., Cleveland, O. "Namco"
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.

NUTS, S.A.E. Plain and Castellated

Automatic Screw Mach. Products Co., Chicago, Ill. (Semi-Finished)
Brightman Mfg. Co., Columbus, O.
Cap Screw & Nut Co. of America, 38 Renwick, New York, N. Y.
Clark Bros. Bolt Co., Noble Rd., Milldale, Conn.
Columbia Nut & Bolt Co., Bridgeport, Conn.
Corbin Screw Corp., New Britain, Conn.
Detroit Nut Co., Detroit, Mich.
Heiz & Heiz, Bush Terminal Bldg., B'klyn, N. Y.
Lamson & Sessions Co., Cleveland, O.
Neely Nut & Bolt Co., Pittsburgh, Pa.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y. "Empire"
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Sandusky Nut Co., Sandusky, O.
Turner-Warner Screw Co., Kansas City, Mo.

NUTS, Square and Hexagon

American Screw Co., Providence, R. I.
Atlas Bolt & Screw Co., Cleveland, O.
Bayonne Bolt & Nut Co., Bayonne, N. J.
Clark Bros. Bolt Co., Noble Rd., Milldale, Conn.
Continental Screw Co., New Bedford, Mass. "Holtite"
Corbin Screw Corp., New Britain, Conn.
Federal Screw Wks., Detroit, Mich.
Johnston & Jennings Co., Cleveland, O.
Lamson & Sessions Co., Cleveland, O.
National Lock Co., Rockford, Ill.
Oliver Iron & Steel Co., Pittsburgh, Pa.
Pheoll Mfg. Co., Chicago, Ill.
Pittsburgh Screw & Bolt Co., Pittsburgh, Pa.
Progressive Mfg. Co., Torrington, Conn.
Reed & Prince Mfg. Co., Worcester, Mass.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y. "Empire"
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
St. Louis Screw & Bolt Co., St. Louis, Mo.
Sandusky Nut Co., Sandusky, O.
Screw Machine Specialty Co., Pittsburgh, Pa.
Turner-Warner Screw Co., Kansas City, Mo.

NUTS, U. S. S. Semi-Finished

Atlas Bolt & Screw Co., Cleveland, O.
Automatic Screw Mach. Products Co., Chicago, Ill.
Brightman Mfg. Co., Columbus, O.
Cap Screw & Nut Co. of America, 38 Renwick, New York, N. Y.
Clark Bros. Bolt Co., Noble Rd., Milldale, Conn.
Continental Screw Co., New Bedford, Mass.
Corbin Screw Corp., New Britain, Conn.
Ferry Cap & Set Screw Co., Cleveland, O.
Gary Screw & Bolt Co., Chicago, Ill.
Hartford Machine Screw Co., Hartford, Conn.
Heiz & Heiz, Bush Terminal Bldg., B'klyn, N. Y. "H-H"
Lamson & Sessions Co., 1981 W. 85th, Cleveland, O.
National Machine Products Co., Detroit, Mich.
National Screw & Mfg. Co., Cleveland, O.
Neely Nut & Bolt Co., Pittsburgh, Pa.
Pheoll Mfg. Co., Chicago, Ill.
Pittsburgh Screw & Bolt Co., Pittsburgh, Pa.
Republic Steel Corp., Upson Nut Div., Cleveland, O.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y. "Empire"
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Sandusky Nut Co., Sandusky, O.
Triplex Screw Co., Cleveland, O.
Turner-Warner Screw Co., Kansas City, Mo.
United Screw & Bolt Corp., Cleveland, O.
Western Automatic Machine & Screw Co., Elyria, O.

NUTS, Thumb or Wing

Atlas Bolt & Screw Co., Cleveland, O.
Billings & Spencer Co., Hartford, Conn. "Triangle B"
Chicago Screw Co., Chicago, Ill.
Clark Bros. Bolt Co., Noble Rd., Milldale, Conn.
Columbus Bolt Wks. Co., Columbus, O.
Continental Screw Co., New Bedford, Mass.
Corbin Screw Corp., New Britain, Conn.
Eberhard Mfg. Co., 2790 Tennyson Rd., Cleveland, O.
Economy Screw Corp., Chicago, Ill.
Everitt Co., Boston, Mass.
Harper (H. M.) Co., Chicago, Ill.
Haskell (Wm. H.) Mfg. Co., Pawtucket, R. I.
Keystone Forging Co., Northumberland, Pa.
Lamson & Sessions Co., 1981 W. 85th, Cleveland, O.
Mueller Brass Co., Port Huron, Mich.
National Lock Co., Rockford, Ill.
National Screw & Mfg. Co., Cleveland, O.
Pheoll Mfg. Co., Chicago, Ill.
Philadelphia Hdw. & Malleable Iron Wks., Inc., Phila., Pa.
Reed & Prince Mfg. Co., Duncan Av., Worcester, Mass.
Republic Steel Corp., Upson Nut Div., Cleveland, O. "Upson"
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
St. Louis Screw & Bolt Co., St. Louis, Mo.
Screw Machine Specialty Co., Pittsburgh, Pa.
Turner-Warner Screw Co., Kansas City, Mo.
United Screw & Bolt Corp., Cleveland, O.
Wrightsville Hdw. Co., Wrightsville, Pa.

NUTS, Trimmed

Atlas Bolt & Screw Co., Cleveland, O.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y. "Empire"
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.

NUTS, Wing—See Nuts, Thumb or Wing

NUTMEG GRATERS—See Graters, Nutmeg

NUTTED STAPLES—See Staples, Nutted

OAK HANDLES—See Handles, Oak

OAKUM
(See also Cotton, Calking)

American Mfg. Co., Noble & West, B'klyn, N. Y. "Royal"
Bishop (Robert) Mfg. Co., South Boston, Mass.
Davey Oakum Co., 169 Laidlaw Av., Jersey City, N. J.
Hooven & Allison Co., Xenia O. "Mayflower"
Meagher's (Jas.) Sons, San Francisco, Cal.
New York Cordage Co., 162 South, New York, N. Y.
Peter (E. C.) Cordage Co., Cincinnati, O.
Rugg (E. T.) Co., Newark, O.
St. Louis Cordage Mills, St. Louis, Mo.
Stratford (Geo.) Oakum Co., Cornelison Av., Jersey City, N. J.
Wall Rope Wks., 48 South, New York, N. Y.
Woolford (N. B.) Oakum Co., Baltimore, Md.

OAR LOCKS—See Locks, Oar

OARS

Allen, F. A., Monmouth, Ill.
Bredenberg Bros., Inc., Champlain, N. Y. "Broadmount"
Kennebec Canoe Co., Waterville, Me.
Kidney (Daniel) & Son, West De Pere, Wis.
Lease (J. D.) & Son, Jeffersonville, Vt.
Montague Oar & Paddle Corp., Foxboro, Mass.
New York Boat Oar Co., 40 Rector, New York, N. Y.
Old Town Canoe Co., Old Town, Me.
Pocock, Geo., Seattle, Wash.
Robertson, J. R., Auburndale, Mass.
Shaw & Tenney, Orono, Me.
Skaneateales Boat & Crane Co., Skaneateles, N. Y.
Strand, M. A., New Richmond, Wis.
White (E. M.) & Co., Oldtown, Me.
Wilsey & Shaffer Mfg. Co., Vicksburg, Miss.

OAT SPROUTERS—See Sprouters, Oat

OFFICE GATE HINGES—See Hinges, Gate, Office

OFFICE GATES—See Gates, Bank, Office, Store, Etc.

OFFICE KNIVES—See Knives, Office

OFFICE SHEARS—See Shears, Office

OIL BURNERS—See Burners, Oil, House-heating

OIL BURNING REFRIGERATORS—See Refrigerators, Oil Burning

OIL CANS—See Cans, Oil and Gasoline

OIL COLORS—See Colors, Oil

OIL COOK STOVE & RANGE BURNERS—See Burners, Oil Cook Stove & Range

OIL CUP GLASSES—See Glasses, Oil Cup

OIL CUPS—See Cups, Grease and Oil

OIL ENGINES—See Engines, Oil; also Engines, Kerosene

OIL FAUCETS—See Faucets, Oil

OIL, Flatting

National Lead Co., 111 B'way, New York, N. Y. "Dutch Boy"

OIL GATES—See Gates, Molasses, Oil and Varnish

OIL GUNS—See Guns, Oil

OIL HEATERS—See Stoves and Heaters, Oil

OIL, Linseed

Ankeney Linseed Mfg. Co., Des Moines, Ia. "Anchor Brand"
Archer-Daniels-Midland Co., Minneapolis, Minn.
Evans Linseed Oil Co., Indianapolis, Ind.

OIL, Linseed (Continued)

Grove Linseed Oil Co., Phila., Pa.
Kellogg (Spencer) & Sons, Buffalo, N. Y.
Kelloggs & Miller, Inc., Amsterdam, N. Y.
Lewis (John T.) & Bros. Co., Phila., Pa.
Mann Bros. Co., Buffalo, N. Y.
Midway Chemical Co., Chicago, Ill. "Radiant"
Minnesota Linseed Oil Co., Minneapolis, Minn.
National Lead Co., 111 B'way, New York, N. Y. "Dutch Boy"
National Lead & Oil Co., Pittsburgh, Pa.
Sherwin-Williams Co., Cleveland, O.

OIL MEASURES—See Measures, Liquid, Copper

OIL PUMPS—See Pumps, Oil and Grease

OIL RANGES—See Stoves and Heaters, Oil

OIL RANGES, Wickless—See Stoves and Ranges, Oil, Wickless

OIL STONES—See Stones, Oil and Water

OIL STORAGE TANKS—See Tanks, Oil Storage

OIL STOVE WICKS—See Wicks, Oil Stove

OIL STOVES—See Stoves and Heaters, Oil; also Stoves and Ranges, Oil, Wickless

OIL TANKS—See Tanks, Oil Storage

OIL TORCHES—See Torches, Oil

OIL WELL WRENCHES—See Wrenches, Oil Well

OILCLOTH

Armstrong Cork Co., Lancaster, Pa.
Bailey's (C. M.) Sons & Co., Winthrop, Me. "Lino"
Certain-teed Products Corp., 100 E. 42d, New York, N. Y. "Guard"
Chandler Oil Cloth Co., Taunton, Mass.
Columbus Coated Fabrics Corp., Columbus, O. "Col-O-Tex"
Dunn (J. C.) & Co., Camden, N. J.
Goodlatte (T. R.) & Sons, Inc., Delawana, N. J.
Landers Corp., Toledo, O.
Ruberoid Co., 95 Madison Av., New York, N. Y.
Sloan-Blabon Corp. (Nicetown), Phila., Pa.
Standard Textile Products Co., 320 B'way, New York, N. Y. "Meritas"
Wadsworth, Woodman Co., Winthrop, Me.

OILCLOTH BINDING—See Binding, Linoleum and Oil Cloth

OILCLOTH KNIVES—See Knives, Oil Cloth

OIL COOK STOVE BURNERS—See Burners, Oil Cook Stove

OILED PAPER—See Paper, Oiled

OILERS—See Cans, Oiling; also Guns, Grease and Oil

OILERS, Floor

Metal Bound Brush & Broom Co., Cincinnati, O.
Standard Oil Co. of N. Y., 26 B'way, New York, N. Y.
Weber Oil Co., 177 E. 120th, New York, N. Y.

OILING CANS—See Cans, Oiling

OILS, Dry Fly for Fishing

Enterprise Mfg. Co., Dept. HA, Akron, O.

OILS, Furniture—See Polishes, Automobile, Furniture, Etc.

OILS, Gun

Ballard Products Co., Columbus, O.
Hoppe (Frank A.), Inc., 2314-H N. 8th, Phila., Pa.
Kant Rust Products Corp., Rahway, N. J.
Lake Shore Oil Co., Cleveland, O.
McCambridge & McCambridge Co., Washington, D. C. "Fiendoil"
Many Use Oil Corp., Athol, Mass.
Marble Arms & Mfg. Co., Gladstone, Mich.
Nye, W. F., Inc., Fairhaven, Mass.
Remington Arms Company, Inc., Bridgeport, Conn. "Rem Oil"
Savage Arms Corp., Utica, N. Y.
Solvol Co., Culver, Ind.
Standard Oil Co. of N. J., 26 B'way, New York, N. Y.
Three-In-One Oil Co., 170 Varick, New York, N. Y.
Zimmerman, F. M., Pittsburgh, Pa.

OILS, Lubricating

Armstrong Mfg. Co., Bridgeport, Conn. (Cutting)
Baum's Castorine Co., Rome, N. Y.
Chain Products Co., 3290 Cooper Av., Cleveland, O. "Hodell Limberoil"
Cook's (Adam) Sons, Inc., Elizabeth Av., Linden, N. J.
Enterprise Mfg. Co., Dept. HA, Akron, O. (Fishing Reel)
Gulf Refining Co., Pittsburgh, Pa. "Supreme"
Hollingshead (R. M.) Co., Camden, N. J. "Whizoil"
Hoppe (Frank A.), Inc., 2314 H N. 8th, Phila, Pa.
Indian Refining Co., Lawrenceville, Ill. "Havoline"
Kant Rust Products Corp., Rahway, N. J.
Midway Chemical Co., Chicago, Ill. "Honor Brite" (Machine Oil)
New York Lubricating Oil Co., 116 Broad, New York, N. Y. "Monogram"
Nye (Wm. F.), Inc., Fairhaven, Mass. "Nyoil"
Remington Arms Co., Inc., Bridgeport, Conn. "Rem-oil"
Sinclair Refining Co., Chicago, Ill. "Opaline," "Sinco"
Sonneborn (L.) Sons, 88 Lexington Av., New York, N. Y. "Amalie"
Standard Oil Co. of N. J., 26 B'way, New York, N.Y. "Polarine," "Zerolene" (Also Machine)
Sun Co., Phila., Pa. "Sunoco"
Texas Co., 135 E. 42d, New York, N. Y. "Texaco"
Three-In-One Oil Co., 170 Varick, New York, N. Y.
Tide Water Oil Co., 17 Battery Pl., New York, N. Y. "Power," "Veedol"
Vacuum Oil Co., 61 B'way, New York, N. Y. "Gargoyle Mobiloils"
White & Bagley Co., Worcester, Mass. "Oilzum"
Wolf's Head Oil Co., 51 Madison Av., New York, N. Y.
Wood (W. A.) Co., Boston, Mass. "Pennwood," "Perfection"

OILS, Soldering

Allen (L. B.) Co., Inc., 6731 Bryn Mawr Av., Chicago, Ill.
Pfanstiehl Chemical Co., Waukegan, Ill. "Speco"

OILY-WASTE CANS—See Cans, Waste

OIL-WASTE PAILS—See Cans, Waste

ONE MAN CROSS CUT SAWS—See Saws, Cross Cut

OPENERS, Bottle

American Motor Products Co., 451 Greenwich, New York, N. Y. "3 in 1 Handy" (Combination)
Anchor Cap & Closure Corp., 22 Queens, Long Island City, N. Y.
Arcade Mfg. Co., Freeport, Ill. "Champion"
Autoyre Co., Oakville, Conn.
Briddell, Chas. D., Crisfield, Md. (Combination Ice Pick)
Brown Mfg. Co., Newport News, Va. (Fastens to Wall)
Bulman (E. O.) Mfg. Co., Inc., Grand Rapids, Mich.
Carpenter (E. W.) Mfg. Co., Bridgeport, Conn. "Ecco"
Cooper Products Co., Flint, Mich.
Corbin, P. & F., New Britain, Conn.
Edlund Co., Burlington, Vt. "Topoff"
Ennis Mfg. Co., Reading, Pa.
Flagg (Stanley G.) & Co., Phila., Pa.
Gem Stropper Co., Phila., Pa.
Gordon Mfg. Co., 110 E. 23rd, New York, N. Y. "Pierce-Cap" (Milk)
Henckels (J. A.), Inc., 456 4th Av., New York, N. Y. "Twin Brand," "Welkut"
Independent Lock Co., Fitchburg, Mass. "Ilco" (Combination)
Indestro Mfg. Co., Chicago, Ill.
Jenkinson (R. C.) & Co., 293 Washington, Newark, N. J.
Lasher-Weeber Co., Boston, Mass. "Tite-Fit"
Parker Wire Goods Co., Worcester, Mass. "Presto"
P. M. C. Mfg. Corp., Kingston, N. Y.
Roberts Specialty Mfg. Co., Inc., Boston, Mass. "Sav-Kap" (Combination)
Sommer (J. L.) Mfg. Co., 251 New Jersey Railroad Av., Newark, N. J. "Ajax"
U. S. Lock & Hdw. Co., Columbia, Pa.
Vaughan Novelty Mfg. Co., Chicago, Ill. "Grip-All," "Nifty," "Vaughan"
Voos Co., Inc., New Haven, Conn.
Washburn Company, Worcester, Mass. "Eclipse"

OPENERS, Box—See Openers, Crate

OPENERS, Can

A. & J. Kitchen Tool Co., Chicago, Ill. "Blutip"
Acme Metal Goods Mfg. Co., 2 Orange, Newark, N. J.
Alaska Freezer Co., Inc., Winchendon, Mass. "Roto-Shear"
American Motor Products Co., 451 Greenwich, New York, N. Y. "3 in 1 Handy" (Combination)
American Stainless Knife Co., Chicago, Ill. "Only"
Anchor Cap & Closure Corp., Long Island City, N. Y.
Arcade Mfg. Co., Freeport, Ill.
Bergami Hdw. Co., Milford, N. H. "Safety"
Bouquet-Brownson Co., St. Paul, Minn. "BB"
Boye Needle Co., Chicago, Ill.
Buck (Wm. E.) Mfg. Co., Eastport, Me.
Bullock Mfg. Associates, Div. of Parker Wire Goods Co., Worcester, Mass.
Bunker-Clancey Mfg. Co., Kansas City, Mo. "B-C," "B-C Perfecto," "Zip"
Central States Mfg. Co., St. Louis, Mo. "Speedo" (Also Combination Sharpener)
Consolidated Tool Wks., 509 Madison Av., New York, N. Y.
Cook (H. C.) Co., Ansonia, Conn. "OpenrighT"
Crescent Mfg. Co., Fremont, O.
Cuyler-Menke Co., Rochester, N. Y.
Dazey Churn & Mfg. Co., St. Louis, Mo. "Red Tip"
Dover Stamping & Mfg. Co., Cambridge, Mass. "Never Slip Monarch"
Edlund Co., Burlington, Vt. "Junior"
Ellis Mfg. Co., Milldale, Conn. "Dandy," "Ever Ready," "Excelsior," "Hercules," "Little Giant"
Ennis Mfg. Co., Reading, Pa.
Forbes (Benj. P.) Co., Cleveland, O.
Gellman Mfg. Co., Rock Island, Ill. "Polly"
Goodell Co., Antrim, N. H.
Gray Iron Foundry Co., Reading, Pa.
Grey Iron Casting Co., Mt. Joy, Pa.
Hamblin & Russell Mfg. Co., Worcester, Mass. "Ideal"
Hampden Mfg. Co., 17 Warren, New York, N. Y.
Handy-Mandy Products Co., Johnstown, Pa. (Combination Opener & Holder)
Handy Things Mfg. Co., Ludington, Mich.
Hart (H. C.) Mfg. Co., Unionville, Conn.
Indestro Mfg. Co., Chicago, Ill.
Jewell Engineering Co., Chicago, Ill.
Johnson (William), Inc., 36 Brenner, Newark, N. J.
K-D Mfg. Co., Lancaster, Pa. "Ope-An-Stir"
Kraeuter & Co., 575 18th Av., Newark, N. J.
Mackie Lovejoy Mfg. Co., Chicago, Ill.
Mapson Mfg. Co., Los Angeles, Cal. "Domestic Science"
Mojonnier Bros. Co., Chicago, Ill.
Murphy's (Robert) Sons Co., Ayer, Mass. "Stay Sharp"
Newark Brush & Scraper Co., 266 Fabyan Pl., Newark, N. J.
Nicol & Co., Chicago, Ill. "I. X. L."
North & Judd Mfg. Co., New Britain, Conn. "Dixy," "Nifty," "Yankee."
Ontario Knife Co., Franklinville, N. Y.
Osborne (C. S.) & Co., Box 183, Newark, N. J.
Parker Wire Goods Co., Worcester, Mass. "Ideal"
Perfection Can Opener Co., Denver, Colo.
Pioneer Mfg. Co., Chicago, Ill. "Pioneer"
Plomb Tool Co., Los Angeles, Cal. "Sure-Nuf"
P. M. C. Mfg. Corp., Kingston, N. Y. "Mogul"
Reliable Mfg. Co., Chicago, Ill. "Gun"
Rhode Island Metal Products Co., Woonsocket, R. I. "Real"
Rockford Metal Spec. Co., Rockford, Ill. "Vantage"
Samson-United Corp., Rochester, N. Y. (Stainless)
Sargent & Co., New Haven, Conn.
Shakespeare Products Co., Kalamazoo, Mich. "Nu-form"
Sinclair-Scott Co., Baltimore, Md.
Star Can Opener Co., San Francisco, Cal.
Taplin Mfg. Co., New Britain, Conn.
Traut & Hine Mfg. Co., New Britain, Conn.
Turner & Seymour Mfg. Co., Torrington, Conn. "Blue Streak," "King," "Star"
United Royalties Corp., 1133 B'way, New York, N. Y. "Saturn"
United States Cutlery Co., Belleville, N. J. "20th Century"
Utility Mfg. Co., Baltimore, Md.
Vaughan Novelty Mfg. Co., Chicago, Ill. "All in One," "Easy Cutter," "Safety Roll"
Voos Co., Inc., New Haven, Conn. "Delmonico," "Home," "Gem," "Peerless," "White Beauty" (Stainless)
Wallace Bros., Wallingford, Conn.
Washburn Company, Worcester, Mass.
White (Ira F.) & Son Co., Bloomfield, N. J. "Bull Dog," "Midget," "Sure Cut," "Woods"
Williamson (C. T.) Wire Novelty Co., 53 Badger Av., Newark, N. J.
Wrightsville Hdw. Mfg. Co., Wrightsville, Pa.

OPENERS, CAN, MACHINES—See Machines, Can Opening

OPENERS, Crate

(See also Pullers, Nail)

Arcade Mfg. Co., Freeport, Ill. "Berry"
Belden Machine Co., New Haven, Conn. "Universal"
Bonney Forge & Tool Wks., Allentown, Pa.
Bridgeport Hdw. Mfg. Corp., 200 Seaside Park, Bridgeport, Conn. "Baby Terrier," "Box Terrier," "Hooker," "Karton Kutter," "Matchless," "Nox-Tox"
Carver Tool Wks., Spring Valley, N. Y.
Drew (C.) & Co., Kingston, Mass.
Duffy (J. F.), Chicago, Ill.
Duffy Mfg. Co., Chicago, Ill.
Estwing Mfg. Co., Rockford, Ill. "Unbreakable," "Unit-Ax"
Fairmount Tool & Forging Co., Cleveland, O.
Gray Iron Foundry Co., Reading, Pa.
Harrington Cutlery Co., Southbridge, Mass.
Harrold (H. J.) Tool Co., Columbiana, O.
Ideal Stencil Machine Co., Belleville, Ill.
Kelly Axe & Tool Wks., of American Fork & Hoe Co., Charleston, W. Va. "True Temper"
Kilborn & Bishop Co., New Haven, Conn. "Green Line"
Kraeuter & Co., 575 18th Av., Newark, N. J.
Marion Craftsman Tool Co., Marion, Ind.
Nicol & Co., Chicago, Ill. "N. & Co."
Osborne (C. S.) & Co., Box 183, Newark, N. J.
Premier Case Opener, Inc., 23 Beaver, New York, N. Y. (Case)
Sayre (L. A.) Co., 332 Mulberry, Newark, N. J.
Stortz (John) & Son, Phila., Pa.
Vaughan & Bushnell Mfg. Co., Chicago, Ill. "V. & B."
Village Blacksmith Folks, Watertown, Wis.

OPENERS, DOOR, GARAGE—See Openers, Garage Door

OPENERS, Fire House Door

Clay, John H., Phila., Pa.
Richards-Wilcox Mfg. Co., Aurora, Ill.

ENERS, Garage Door

th-Prouty Co., Danville, Ill. "Electromatic"
ber-Colman Co., Rockford, Ill.
ctric Door Corp., Ithaca, N. Y.
higan Metal Products Co., Battle Creek, Mich. "Air-Dor"
gressive Machinery Co., Minneapolis, Minn.
nolds Machine Co., Massillon, O.
hards-Wilcox Mfg. Co., Aurora, Ill. "Aut-O-Dor," "R-W" (Electric)
chie & Sons, Battle Creek, Mich. "Elecdorol"
oelkopf Mfg. Co., Madison, Wis. "Air-Lec"
nley Wks., New Britain, Conn. (Electric)
eeter-Amet Weighing & Recording Co., Chicago, Ill. "Carter-Crane"
pping Mfg. Co., Ashland, O. "Openeasy"
der-Morris Co., Cleveland, O. "Y-M"
ung, Chas. F., Phila., Pa. "Cyco" (Electric)

PENERS and LOCKS, Door, Electric

th Elec. Specialty Co., 422 E. 53d, New York, N. Y.
rbin, P. &. F., New Britain, Conn.
wards & Co., Inc., Exterior & 140th, New York, N. Y.
l (Francis) & Sons, 401 E. 163rd, New York, N. Y. "Reliance"
neider, Frank F., Ridgefield, Conn.

PERATORS, Window, Casement

(See also Adjusters, Window Casement)

ement Hdw. Co., Chicago, Ill. "Win-Dor"
bin, P. & F., New Britain, Conn.
ale Equipment Mfg. Co., Inc., 64 Reade, New York, N. Y.
son Mfg. Co., Chicago, Ill.
son (Oscar) Co., Chicago, Ill.
zent & Co., New Haven, Conn.
ted Specialties Mfg. Co., Ltd., Richmond Hill, N. Y.
itney (Vincent) Co., San Francisco, Cal. "Whitco"
e & Towne Mfg. Co., Stamford, Conn.

ANGE KNIVES—See Knives, Fruit; also Knives, rape Fruit

ANGE PEELERS—See Peelers, Orange and rape Fruit

ANGE PICKING BASKETS—See Baskets, Orange cking

CHARD HEATERS—See Heaters, Orchard

AMENTAL CAPS for BOLTS, NUTS and Screws See Caps, Bolt, Nut and Screw

AMENTAL CHAIN—See Chain, Ornamental, rass, Bronze, Etc.

AMENTAL FENCE and GATES—See Fence d Gates, Lawn

AMENTAL GRILLS—See Grills, Ornamental

AMENTAL HINGES—See Hinges, Ornamental

AMENTAL IRON WORK—See Iron Work, Ormental

AMENTAL and PLAIN RIDGING—See Rolls, dge

NAMENTS, Christmas Tree

enter Mfg. Co., Norwich, Conn. (Tinsel)
clas Mfg. Co., Louisville, Ky.
o Mfg. Corp., Fort Wayne, Ind. "Leonic" (Tinsel)
ke (George) Sons Co., Baltimore, Md.
il Mfg. Co., Revere, Mass.
hof Patent Co., 30 Stirling, Newark, N. J.
ner, Oscar, Chicago, Ill.
l Goods Corp., St. Louis, Mo.
onal Tinsel Mfg. Co., Manitowoc, Wis. (Tinsel)
Art Co., Bryan, O.
r Novelty Mfg. Co., 225 E. 36th, New York, N. Y.
g Bros. Co., 1209 B'way, New York, N. Y.
l Corp. of America, 525 B'way, New York, N. Y. (Tinsel)
F. Mfg. Co., Inc., Buffalo, N. Y.
sen, B., Phila., Pa.

NAMENTS, Copper and Zinc

r Steel Co., Milwaukee, Wis.

NAMENTS, Garden

ey (S.) & Son, Manlius, N. Y. "Orneco"

BOARD BOAT ENGINES—See Motors, Boat, tboard

BOARD MOTORS—See Motors, Boat, Outboard

FITS, Camping

(See also article desired)

Trunk & Sample Case Co., 418 W. 25th, New k, N. Y.
s, Young & Allen Co., Chicago, Ill. "Tourkit"
inum Co. of America, Pittsburgh, Pa.
Aluminum Cooking Utensil Co., New Kensington, Pa. "Wear-Ever"
Aluminum Goods Mfg. Co., Manitowoc, Wis. "Mirro," "Viko"
American Gas Machine Co., Albert Lea, Minn.
Berg (F. O.) Co., Spokane, Wash. "Jiffy"
Durham Mfg. Co., Muncie, Ind. "Duplex"
Estwing Mfg. Co., Rockford, Ill. "Unbreakable," "Util-ax"
Gold Medal Folding Furniture Co., Racine, Wis.
Grimes, Bradley E., West Collingswood, N. Y.
Kewaskum Aluminum Co., Kewaskum, Wis. "Kickapoo"
Kraft, A. C., Chicago, Ill.
McGrew Machine Co., Lincoln, Neb. "Lincoln"
Metropolitan Camp Goods Co., Inc., Athol, Mass.
Pioneer Tent & Awning Co., Boise, Idaho
Pueblo Tent & Awning Co., Inc., Pueblo, Colo. "American"
Red-E Co., Columbus, O.
Royal Mfg. Co., Phila., Pa.
Sabey (Fred F.) Co., Rochester, N. Y.
Schilling (L. F.) Co., Salem, O.
U. S. Stamping Co., Moundsville, W. Va.
United Steel & Wire Co., Battle Creek, Mich.
Upton Mach. Co., St. Joseph, Mich. "Kamp-Kook-Kit"

OUTFITS, Chemical Toy

Gilbert (A. C.) Co., New Haven, Conn.
Porter Chemical Co., Hagerstown, Md. "Chemcraft"

OUTFITS, Christmas Tree, Electric

Anderson-Pitt Corp., Kansas City, Mo.
Betts & Betts Corp., 544 12th Av., New York, N. Y. "Wynk-A-Lyte"
Darow Mfg. Co., 36 E. 20th, New York, N. Y.
Gebhardt (R. E.) Co., Chicago, Ill.
General Electric Co., Schenectady, N. Y. "Arbolux"
Mallory (P. R.) & Co., Indianapolis, Ind. "Real Lite"
Matchless Electric Co., Chicago, Ill.
Noma Electric Corp., 524 B'way, New York, N. Y.
Pass & Seymour, Syracuse, N. Y.
Propp (M.) Co., 524 B'way, New York, N. Y.
Wood (C. D.) Electric Co., 565 B'way, New York, N. Y.

OUTFITS, Cobblers'

(See also Lasts and Stands, Cobblers')

Arcade Mfg. Co., Freeport, Ill.
Badger Malleable & Mfg. Co., South Milwaukee, Wis. "Champion"
Chattanooga Implement & Mfg. Co., Chattanooga, Tenn.
Fate-Root-Heath Co., 1333 High, Plymouth, O. "Acme," "Combination," "Eclipse," "Economical," "Economy," "Fireside," "Guaranteed Perfection," "Home," "Invincible," "Leader," "Ohio," "Plymouth Rock," "Popular," "Practical," "Premier," "Royal," "Universal"
Star Heel Plate Co., Louis Sacks, Inc., 357 Wilson Av., Newark, N. J. "Combination Cobbler," "Economical," "Empire," "Family," "Leader"
Wrightsville Hdw. Co., Wrightsville, Pa.

OUTFITS, Doll

Aetna Novelty Co., 11 W. 17th, New York, N. Y.
Arrow Mark Co., 48 W. 20th, New York, N. Y.
Kahn, M. L., 43 E. 19th, New York, N. Y.
Lodge Textile Wks., Albany, N. Y.
Molly-'Es Doll Outfitter, Phila., Pa.
Tailored Craft Novelty Co., 15 W. 26th, New York, N. Y.

OUTFITS, Mold, Toy

Educational Molds Co., Los Angeles, Cal.
Gilbert (A. C.) Co., New Haven, Conn.
Make-A-Toy Co., 1696 Boston Rd., New York, N. Y.
Steiger (E.) & Co., 49 Murray, New York, N. Y.

OUTFITS, Painting, Children's

American Crayon Co., Sandusky, O. "Old Faithful"
Baumgarten & Co., Baltimore, Md.
Binney & Smith Co., 41 E. 42nd, New York, N. Y.
Bradley (Milton) Co., Springfield, Mass.
Grey Iron Casting Co., Mt. Joy, Pa. "Tint-Em"
Porter Chemical Co., Hagerstown, Md. "Mastercraf"
Spectrum Crayon Corp., Marietta, O.
Thompson Mfg. Co., Baltimore, Md.

OUTFITS, Santa Claus

Beitle Co., Shippensburg, Pa. (Paper, Life Size)

OUTFITS, Show Card—See Stencils and Stencil Outfits

OUTFITS, Stencil—See Stencils and Stencil Outfits

OUTFITS, Telegraph, Toy

Connecticut Telephone & Electric Corp., Meriden, Conn. "Duplex"
Parker Bros., Salem, Mass.

OUTING CAPS—See Hats, Outing

OUTING HATS—See Hats, Outing

OUTLET BOXES—See Boxes, Outlet

OUTLETS, Electric Clock Hanger

Arrow-Hart & Hegeman Electric Co., Hartford, Conn.

OUTLETS, Fixture

Arrow-Hart & Hegeman Electric Co., Hartford, Conn.
Benjamin Electric Mfg. Co., Chicago, Ill.
Bryant Electric Co., Bridgeport, Conn.
Eagle Electric Mfg. Co., 59 Hall, B'klyn, N. Y.
Economy Fuse & Mfg. Co., Chicago, Ill.
General Electric Co., Schenectady, N. Y.
Hubbell (Harvey), Inc., Bridgeport, Conn.
Pass & Seymour, Syracuse, N. Y.
Weber Electric Co., Schenectady, N. Y.

OUTLETS, Flush

Arrow-Hart & Hegeman Electric Co., Hartford, Conn.
Bryant Electric Co., Bridgeport, Conn.
Eagle Electric Mfg. Co., 59 Hall, B'klyn, N. Y.
Hubbell (Harvey), Inc., Bridgeport, Conn.
Pass & Seymour, Syracuse, N. Y.

OUTLETS, Radio—See Radio Outlets

OVEN HEAT CONTROLS—See Regulators, Gas

OVEN THERMOMETERS—See Thermometers, Oven

OVEN WARE—See Ware, Oven

OVENS, Baking, Portable

Alcazar Range & Heater Co., Milwaukee, Wis.
American Electrical Heater Co., Detroit, Mich. "American Beauty"
American Stove Co., St. Louis, Mo. "Blue Bird"
Barclay Mfg. Co., Muncie, Ind.
Beardsley & Wolcott Mfg. Co., Waterville, Conn. "Wilwear" (Electric)
Connolly Stamping Co., 123 Liberty, New York, N. Y.
Elgin Stove & Oven Co., Elgin, Ill. "Lady Elgin"
Florence Stove Co., Gardner, Mass.
General Electric Co., Bridgeport, Conn. "Hot Point"
Gray & Dudley Co., Nashville, Tenn. "Washington Kitchenette" (Electric)
Griswold Mfg. Co., Erie, Pa. "Bolo"
Hemp & Co., Corp., St. Louis, Mo. "Ideal"
Howes (S. M.) Co., Boston, Mass. "Dandy," "Daylight"
Hunefeld Co., Cincinnati, O. "Boss"
Jackes-Evans Mfg. Co., St. Louis, Mo. "Aunt Sarah's"
Kappler-Fox Fdry. Co., Phila., Pa.
Landers, Frary & Clark, New Britain, Conn. "Universal" (Electric)
Leonard Metal Wks., Kankakee, Ill. "Kankakee"
Lindemann (A. J.) & Hoverson Co., Milwaukee, Wis. "Kerogas"
Lodge Mfg. Co., South Pittsburgh, Tenn.
Master Bake Pot Co., Bloomfield, N. J.
National Enameling & Stamping Co., Milwaukee, Wis. "Nesco"
Perfection Stove Co., Inc., 7609 Platt Av., Cleveland, O. "Live-Heat"
Prentiss Wabers Products Co., Wisconsin Rapids, Wis.
Quick Meal Stove Co., St. Louis, Mo.
Rochester Corp., Rochester, N. Y.
Rutenber Electric Co., Marion, Ind.
Sheet Metal Specialty Co., Pittsburgh, Pa. "Security"
Standard Electric Stove Co., Toledo, O.
Standard Gas Equipment Corp., 18 E. 41st, New York, N. Y. "Vulcan"
Stanley Savage Mfg. Co., Chicago, Ill. "Ovenette," "Perfect Gem Kooker"
Superior Electric Products Corp., St. Louis, Mo. (Electric)
Washburn Company, Worcester, Mass. "Androck"
Wheeling Corrugating Co., Wheeling, W. Va. "Corco"
Woolwine Metal Products Co., Los Angeles, Cal.
Young Bros. Co., Detroit, Mich.

OVENS, Camp, Collapsible

American Gas Mach. Co., Inc., Albert Lea, Minn. "Kampoven"
Prentiss Wabers Products Co., Wisconsin Rapids, Wis. "Auto Cook"
Red-E Co., Columbus, O.
Wheeling Corrugating Co., Wheeling, W. Va.

OVENS, Dutch

Crescent Foundry Co., St. Louis, Mo. "Ozark"
Favorite Stove & Range Co., Piqua, O.
Griswold Mfg. Co., Erie, Pa. "Tite-Top"
Long Mfg. Co., S. Pittsburg, Tenn.
National Pressure Cooker Co., Eau Claire, Wis.
Serelco Products Corp., 601 W. 26th, New York, N. Y.
Wagner Mfg. Co., Sidney, O.

OVENS, Portable—See Ovens, Baking, Portable

OVENS, Roasting—See Ovens, Baking, Portable

OVERALLS

Larned-Carter & Co., Cincinnati, O. "Headlight"
Protexall Co., Abingdon, Ill.
Sweet-Orr & Co., Inc., 15 Union Sq., New York, N. Y.

OVERHEAD CARRYING TRACK HOOKS—See Hooks, Track, Overhead Carrying

OVERHEAD TROLLEY TRACKS—See Trolleys and Trolley Tracks, Overhead

OVERHEAD TROLLEYS—See Trolleys and Trolley Tracks, Overhead

OX MUZZLES—See Muzzles, Horse and Ox

OX SHOE NAILS—See Nails, Horse Shoe

OX SHOES—See Shoes, Ox

OXIDES, Lead

Eagle-Picher Lead Co., Cincinnati, O.
Lewis (John T.) & Bros. Co., Phila., Pa.
National Lead Co., 111 B'way, New York, N. Y. "Carter," "Dutch Boy"

OXY-ACETYLENE TORCHES—See Torches, Brazing, Etc.

OYSTER GRABS—See Grabs, Oysters

OYSTER KNIVES—See Knives, Oyster and Clam

OYSTER and CLAM TONGS—See Tongs, Oyster and Clam

OZONATORS—See Air Conditioners

PACK BASKETS—See Baskets, Pack

PACKAGE RECEIVERS—See Receivers, Milk and Package

PACKAGE RECEIVING DOORS—See Doors, Milk and Package Receiving

PACKING NEEDLES—See Needles, Packing and Bagging

PADDING, Table, Asbestos—See Mats, Table, Asbestos

PADDLES, Canoe

Bredenberg Bros., Inc., Champlain, N. Y. "Broadmount"
Kennebec Canoe Co., Waterville, Me.
Lease, Wm. G., Jeffersonville, Vt.
Montague Oar & Paddle Corp., Montague City, Mass.
Mullins Mfg. Corp., Salem, O.
New York Boat Oar Co., 40 Rector, New York, N.Y.
Old Town Canoe Co., Old Town, Me.
Shaw & Tenney, Orono, Me.
Skowhegan Boat & Canoe Co., Skowhegan, Me.
Strand (M. A.) Ski Co., New Richmond, Wis.

PADDLES, Plasterers'

Empire Level Manufacturing Co., Milwaukee, Wis.
Goldblatt Tool Co., Kansas City, Mo.
Masons' Tool Mfg. Co., Rochester, N. Y.
Mayes Bros. Tool Mfg. Co., Port Austin, Mich.
Sand's Level & Tool Co., Detroit, Mich.

PADLOCK EYES—See Eyes, Padlock

PADLOCKS

American Keyless Lock Co., Chicago, Ill.
Ames Sword Co., Chicopee, Mass.
Best Universal Lock Co., Seattle, Wash.
Bohannan (Wilson) Co., Marion, O. "Well Bilt"
Briggs & Stratton Co., Milwaukee, Wis. "Basco"
Corbin Cabinet Lock Co., New Britain, Conn.
Dayton Mfg. Co., Dayton, O.
Dudley Lock Corp., Chicago, Ill. (Keyless)
Eagle Lock Co., Terryville, Conn. "Aetna"
Edwards (O. M.) Co., Syracuse, N. Y.
Ferro Machine & Fdry. Co., Cleveland, O. "Wise"
Four-Way Lock Co., Cleveland, O. "4-Way"
Fraim (E. T.) Lock Co., Lancaster, Pa.
General Grinder Corp., Milwaukee, Wis.
Gibson & Kirk Co., Baltimore, Md.
Huebel Mfg. Co., 103 Monroe, Newark, N. J.
Hurd Lock Co., Elmont, Mich.
Independent Lock Co., Fitchburg, Mass. "Black Knight," "Ilco"
Junkunc Bros., Chicago, Ill. "American." "Ball Lock"
Lockwood Mfg. Co., Fitchburg, Mass.
Master Lock Co., 926 Juneau Av., Milwaukee, Wis. "Brownie," "Grey Hound," "Jewel," "Junior," "Jungle King," "Secret Service"
Miller (J. Walter) Co., Lancaster, Pa.
Miller (J. B.) Keyless Lock Co., Kent. O. "Red Dot"
Reese Padlock Co., Lancaster, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn. "Russwin"
Safe Padlock & Hdw. Co., Lancaster, Pa.
Sargent & Co., New Haven, Conn.
Sargent & Greenleaf, Inc., Rochester, N. Y.
Segal Lock & Hdw. Co., Inc., 12 Warren, New York, N. Y.
Sesamee Company, Hartford, Conn. (Keyless)
Slaymaker Lock Co., Lancaster, Pa.
Sterling Lock Co., Minneapolis, Minn.
United States Lock & Hdw. Co., Columbia, Pa.
Western Brass Mfg. Wks., Chicago, Ill.
Williams Lock & Mfg. Co., Detroit, Mich. "Locko," "Lock-O-Matic"
Yale & Towne Mfg. Co., Stamford, Conn.

PADLOCKS, Dog Collar—See Locks, Dog Collar

PADS, Furniture

Astrup Co., Cleveland, O.
Baker-Lockwood Mfg. Co., Inc., Kansas City, Mo.
Daniels (C. R.), Inc., 101 Crosby, New York, N. Y.
Fulton Bag & Cotton Mills, Inc., 330 Wythe Av., New York, N. Y.
Hettrick Mfg. Co., Toledo, O.
Hettrick (W. E.) & Son, Inc., Toledo, O. "Het-Son"
Tucker Duck & Rubber Co., Fort Smith, Ark. "Precto"
Werner Canvas Products Co., 2 Water, B'klyn, N.Y.

PADS, Gun Recoil

Alward-Anderson-Southard Co., Chicago, Ill.
Brauer Bros., Inc., St. Louis, Mo.
Chamberlain Cartridge & Target Co., Cleveland, O.
Collis (H. J.) Mfg. Co., Taunton, Mass.
Cushion Pad Corp., Sioux Falls, S. D. "Hawkins"
Huntley Mfg. Co., Omaha, Neb.
Jostam Mfg. Co., Chicago, Ill. "Air Cushion," "Akron," "Anti-Flinch," "Broadway," "Chicago," "Combination," "H.R.B.," "Hy-Gun," "Leader," "Military," "Monte Carlo," "No Kick Coming," "Norka," "Slipon"
Marble Arms & Mfg. Co., Gladstone, Mich.
Redhead Brand Co., Chicago, Ill.
Rome Sporting Goods Mfg. Co., Rome, N. Y.
Seamless Rubber Co., New Haven, Conn. "Noshoc"
Wyeth Hdw. & Mfg. Co., St. Joseph, Mo.

PADS, Heating, Electric

American Gas & Machine Co., Inc., Albert Lea, Minn.
Beardsley & Wolcott Mfg. Co., Waterbury, Conn. "Torrid"
Bersted Mfg. Co., Chicago, Ill.
Betsy Ross Electric Products Corp., Johnson City, N. Y.
Bobbett Electric Mfg. Co., Chicago, Ill.
Chicago Flexible Shaft Co., Chicago, Ill. "Sunbeam"
Dominion Electrical Mfg. Co., Minneapolis, Minn. "Domino"
Drake Electric Wks., Chicago, Ill.
Eagle Electric Mfg. Co., 59 Hall, B'klyn, N. Y.
Electrahot Mfg. Co., Minneapolis, Minn.
Electric Controller Co., Greenfield, Ind. "Lectro-Warm"
Fitzgerald Mfg. Co., Torrington, Conn. "Star-Rite"
General Electric Co., Bridgeport, Conn. "Hot Point"
Gilbert (A. C.) Co., New Haven, Conn.
Gold Seal Electrical Co., Poughkeepsie, N. Y.
Graham Corp., Chicago, Ill.
Hewitt Electric & Mfg. Co., Arlington, Mass.
Knapp-Monarch Co., Belleville, Ill. "Therm-a-Hot," "Therm-a-Magic"
Landers, Frary & Clark, New Britain, Conn. "Landers," "Universal"
Lindemann (A. J.) & Hoverson Co., Milwaukee, Wis. "L & H Electrics"
Lindstrom & Co., Chicago, Ill.
Manning, Bowman & Co., Meriden, Conn. "M-B"
Metal Ware Corp., Two Rivers, Wis. "Empire"
National Stamping & Electric Wks., Chicago, Ill. "White Cross"
Pelouze Mfg. Co., Chicago, Ill.
Rite-Hete Mfg. Corp., Minneapolis, Minn.
Robeson-Rochester Corp., Rochester, N. Y. "Royal Rochester"
Rock Island Mfg. Co., Rock Island, Ill. "Rimco"
Rogers Electric Laboratories Co., Cleveland, O.
Samson-United Corp., Rochester, N. Y. "Super-Safe"
Seamless Rubber Co., New Haven, Conn. "Electro-Sheet"
Simplex Div. of Edison Electric Appliance Co., Inc., Chicago, Ill.
Sun-Ray Mfg. Co., Oshkosh, Wis.
Twinplex Sales Co., St. Louis, Mo. "Glo-Pax"
Utility Electric Co., St. Louis, Mo.
Voss Bros. Mfg. Co., Davenport, Ill.
Waage Electric Co., Chicago, Ill. "Triple Heat"
Watlow Electric Mfg. Co., St. Louis, Mo. "Queen Quality"
Westinghouse Electric & Mfg. Co., Mansfield, O. "Adjust-O-Matic"
White Beauty Electric Co., Inc., Chicago, Ill.

PADS, Horse Collar

American Pad & Textile Co., Greenfield, O. "Dura-Pad," "Tapato Brand"
Boyt Co., Des Moines, Ia.
Burlington Blanket Co., Burlington, Wis. "Ventiplex"
Dexter Curtis Co., Madison, Wis.
Hess & Hopkins Leather Co., Rockford, Ill. "Honest Leather"
Perforated Pad Co., Woonsocket, R. I.
Powers Mfg. Co., Waterloo, Ia.
Zinc Collar Pad Co., Buchanan, Mich. "Star"

PADS, Horse Shoe, Leather

Delany (J. M.) & Co., Meriden, Conn.
Wilder & Co., Chicago, Ill. "Acorn"

PADS, Horse Shoe, Rubber

Combination Rubber Mfg. Co., Trenton, N. J.
Dryden Rubber Co., Chicago, Ill.
Essex Rubber Co., Trenton, N. J. "Trent"
Firestone Tire & Rubber Co., Akron, O. "Belmont," "Eagle," "Jewel," "Lily," "Russell," "Windsor," "Winter"
Fruin Drop Forge Co., Chicago, Ill.
Judsen, Carl A., Chicago, Ill.
Killion Rubber Co., Boston, Mass.
Laurel Co., Garfield, N. J.
Manhattan Rubber Mfg. Co., Passaic, N. J.
Plymouth Rubber Co., Canton, Mass.
Revere Rubber Co., Chelsea, Mass. "Ajax," "New Globe," "Samson"
Schacht Rubber Mfg. Co., Huntington, Ind.
Sterling Tire Corp., Rutherford, N. J.
Western Rubber Co., Goshen, Ind.

PADS, Ironing Board—See Covers and Pads, Ironing Board

PADS, Riding Saddle

American Pad & Textile Co., Greefield, O. "Apache," "Dura-Pad," "Felt-Lesa," "Our Winner"

PADS, Sweat—See Pads, Horse Collar

PADS, Table, Ventilated—See Mats, Table, Ventilated

PAIL CLASPS—See Clasps, Pail

PAILS, Aluminum

Aluminum Goods Mfg. Co., Manitowoc, Wis. "Mirro," "Viko"
American Aluminum Mfg. Co., Lemont, Ill. "American Maid"
Buckeye Aluminum Co., Wooster, O. "Real Solid"
Illinois Pure Aluminum Co., Lemont, Ill. "American Maid"
Landers, Frary & Clark, New Britain, Conn.
Reed Mfg. Co., Newark, N. Y.
Toledo Cooker Co., Toledo, O.

PAILS, Cedar—See Pails and Buckets, Wooden

PAILS, Cement

Atlantic Stamping Co., Rochester, N. Y.
Cincinnati Galvanizing Co., Cincinnati, O. "Contractor"
Lawson (F. H.) Co., Cincinnati, O. "Lawco"
McLaughlin Co., Brockford, N. Y.
National Enameling & Stamping Co., Milwaukee, Wis.
Reeves Mfg. Co., Dover, O.
Wheeling Corrugating Co., Wheeling, W. Va.

PAILS, Dairy

Aluminum Goods Mfg. Co., Manitowoc, Wis. "Mirro," "Viko"
American Can Co., 230 Park Av., New York, N. Y.
Atlantic Stamping Co., Rochester, N. Y.
Behrens (H.) Mfg. Co., Winona, Minn.
Dover Stamping & Mfg. Co., Cambridge 39, Mass.
Geuder, Paeschke & Frey Co., Milwaukee, Wis. "Cream City"
Lisk Mfg. Co., Canandaigua, N. Y.
McLaughlin Co., Brockport, N. Y.
Menasha Woodenware Co., Menasha, Wis.
National Enameling & Stamping Co., Milwaukee, Wis.
Northwest Metal Products, Inc., Seattle, Wash. "Chief," "Norwesco"
Phillips & Buttorff Mfg. Co., Nashville, Tenn.
Reed Mfg. Co., Newark, N. Y.
Republic Metalware Co., Buffalo, N. Y. "Armor"
Richardson (M. A.), Inc., Chicago, Ill.
Robeson-Rochester Corp., Rochester, N. Y. "Royal Rochester"
Rochester Can Co., Rochester, N. Y. "Iron Horse"
Savory, Inc., 591 Ferry, Newark, N. J.
Schlueter Mfg. Co., St. Louis, Mo. "De Luxe"
Standard Stamping Co., St. Louis, Mo.
Stratton & Terstegge Co., Inc., Mfg. Div., Louisville, Ky. "Falls City"
Stuber & Kuck Co., Peoria, Ill. "Uncle Sam's"
United States Stamping Co., Moundsville, W. Va.
Vollrath Co., Sheboygan, Wis.

PAILS, Dinner, Etc.

Allred Mfg. Co., Inc., Indianapolis, Ind.
Aluminum Cooking Utensil Co., New Kensington, Pa. "Wear Ever"

PAILS, Dinner, Etc. (Continued)

American Aluminum Mfg. Co., Lemont, Ill. "American Maid"
American Can Co., 230 Park Av., New York, N.Y.
Atlantic Stamping Co., Rochester, N. Y.
Behrens (H.) Mfg. Co., Winona, Minn.
Bertels (W. B.) & Co., Wilkes-Barre, Pa. "Black Diamond"
Buckeye Aluminum Co., Wooster, O. "Real Solid"
Dover Stamping & Mfg. Co., Cambridge 39, Mass.
Geuder, Paeschke & Frey Co., Milwaukee, Wis.
Illinois Pure Aluminum Co., Lemont, Ill. "American Maid"
Lalance & Grosjean Mfg. Co., Woodhaven, L. I., N. Y.
Louisville Tin & Stove Co., Louisville, Ky.
McAleer (E. J.) & Co., Phila., Pa.
Martin Hardsocg Co., Pittsburgh, Pa.
National Enameling & Stamping Co., Milwaukee, Wis. "Acme," "Aurora"
Penn Metal Ware Co., Parsons, Pa. "Aluminum"
Phillips & Buttorff Co., Nashville, Tenn.
Republic Metalware Co., Buffalo, N. Y.
Richardson (M. A.), Inc., Chicago, Ill. "Aurora"
Savory, Inc., 591 Ferry, Newark, N. J.
Schlueter Mfg. Co., St. Louis, Mo.
Shanklin Mfg. Co., Springfield, Ill. "Shanco"
Stuber & Kuck Co., Peoria, Ill.
Tunnessen Mfg. Co., Hazleton, Pa.
U. S. Stamping Co., Moundsville, W. Va.
West Bend Aluminum Co., West Bend, Wis.

PAILS, Fiber

Almo Trading & Importing Co., Inc., 61 E. 11th, New York, N. Y. (Indurated Fibre)
Continental Diamond Fibre Co., East Newark, Del.
National Enameling & Stamping Co., Milwaukee, Wis.

PAILS, Fire

Almo Trading & Importing Co., 61 E. 11th, New York, N. Y. (Indurated Fibre)
American Can Co., 230 Park Av., New York, N.Y.
Atlantic Stamping Co., Rochester, N. Y.
Cincinnati Galvanizing Co., Cincinnati, O.
Diener (Geo. W.) Mfg. Co., Chicago, Ill. "Waggoner"
Lawson (F. H.) Co., Cincinnati, O. "Lawco"
Marietta Hollow Ware & Enameling Co., Marietta, Pa.
National Enameling & Stamping Co., Milwaukee, Wis.
Northwest Metal Products, Inc., Seattle, Wash. "Norwesco"
Reeves Mfg. Co., Dover, O.
Schleuter Mfg. Co., St. Louis, Mo.
Wheeling Corrugating Co., Wheeling, W. Va.

PAILS, Galvanized

American Can Co., 230 Park Av., New York, N.Y.
American Standard Mfg. Co., Chicago, Ill.
Atlantic Stamping Co., Rochester, N. Y.
Behrens (H.) Mfg. Co., Winona, Minn.
Boyle Mfg. Co., Los Angeles, Cal. "Boyco"
Cincinnati Galvanizing Co., Cincinnati, O.
Dover Stamping & Mfg. Co., Cambridge, Mass.
Franklin Can Co., Inc., Franklinville, N. Y.
Geuder, Paeschke & Frey Co., Milwaukee, Wis. "Cream City"
Hill (Jas.) Mfg. Co., Providence, R. I.
Huffman Mfg. Co., Dayton, O.
Kraft, A. C., Chicago, Ill.
Lalance & Grosjean Mfg. Co., Woodhaven, L. I., N. Y.
Lawson (F. H.) Co., Cincinnati, O. "Lawco"
Lisk Mfg. Co., Canandaigua, N. Y.
National Enameling & Stamping Co., Milwaukee, Wis.
New England Enameling Co., Middletown, Conn.
Reed Mfg. Co., Newark, N. Y.
Reeves Mfg. Co., Dover, O.
Republic Metalware Co., Buffalo, N. Y. "Armor"
Robeson-Rochester Corp., Rochester, N. Y. "Royal Rochester"
Rochester Can Co., Rochester, N. Y. "Iron Horse"
Savory, Inc., 591 Ferry, Newark, N. J.
Schlueter Mfg. Co., St. Louis, Mo.
Sexton Can Co., Everett, Mass.
Steel Basket Co., Cedar Rapids, Ia.
Stuber & Kuck Co., Peoria, Ill.
Wall (P.) Mfg. Supply Co., Pittsburgh, Pa.
Wheeling Corrugating Co., Wheeling, W. Va.
Witt Cornice Co., 2114 Wincheli Av., Cincinnati, O. "Brighton," "Witt"

PAILS, Garbage

American Can Co., 230 Park Av., New York, N.Y. "Canco"
Atlantic Stamping Co., Rochester, N. Y.
Alto Mfg. Co., Chicago, Ill. "Gar-Bag" (Can with Paper Bag Container)
Cincinnati Galvanizing Co., Cincinnati, O. "Biltmore," "Clifton," "King," "Ohio," "Peerless," "Safe-T" (Pedal)
Columbian Enameling & Stamping Co., Terre Haute, Ind.
Dover Stamping & Mfg. Co., Cambridge, Mass.
Federal Enameling & Stamping Co., McKees Rocks, Pa. "Old Holland"
Hygeia Can Co., 75 Varick, New York, N. Y. "Hygia"
Ideal Can Co., Everett, Mass.
Kitchen Katch-All Corp., Greenwich, O.
Kraft, A. C., Chicago, Ill.
Lawson (F. H.) Co., Cincinnati, O. "Lawco Kitchen Kop"
Lisk Mfg. Co., Canandaigua, N. Y.
Master Metal Products, Inc., Buffalo, N. Y. "Sanette"
National Enameling & Stamping Co., Milwaukee, Wis.
New England Enameling Co., Middletown, Conn.
Northwest Metal Products, Inc., Seattle, Wash. "Chief," "Norwesco"
Pittsburgh Tinware Mfg. Co., Pittsburgh, Pa.
Reeves Mfg. Co., Dover, O.
Rochester Can Co., Rochester, N. Y. "Iron Horse"
Sanitary Receiver Co., Inc., Dunkirk, N. Y. "Sani-Can"
Savory, Inc., 591 Ferry, Newark, N. J.
Schlueter Mfg. Co., St. Louis, Mo. "Jewel"
Sexton Can Co., Everett, Mass.
Sheet Metal Specialty Co., Follansbee, W. Va.
Stay-On Mfg. Co., Dover, O.
Stover Mfg. & Engine Co., Freeport, Ill. (Underground)
U. S. Stamping Co., Moundsville, W. Va.
Vollrath Co., Sheboygan, Wis.
Walker Plumized Co., Batavia, N. Y.
Wheeling Corrugating Co., Wheeling, W. Va.
Witt Cornice Co., 2114 Winchell Av., Cincinnati, O. "Brighton," "Witt"

PAILS, Iron—See Pails, Galvanized

PAILS, Kitchen—See Pails, Garbage

PAILS, Milk

Aluminum Goods Mfg. Co., Manitowoc, Wis. "Mirro," "Viko"
Bellaire Enamel Co., Bellaire, O. "Beco"
Cherry-Burrel Corp., Cedar Rapids, Ia.
Creamery Package Mfg. Co., Chicago, Ill.
Dover Stamping & Mfg. Co., Cambridge, Mass.
Illinois Pure Aluminum Co., Lemont, Ill. "American Maid"
Lalance & Grosjean Mfg. Co., Woodhaven, N. Y.
Lawson (F. H.) Co., Cincinnati, O. "Lawco"
Menasha Woodenware Co., Menasha, Wis.
National Enameling & Stamping Co., Milwaukee, Wis.
Republic Metalware Co., Buffalo, N. Y. "Armor"
Richmond Cedar Wks., Richmond, Va. "Anchor"
Rochester Can Co., Rochester, N. Y. "Iron Horse"
Savory, Inc., 591 Ferry, Newark, N. J.
Stuber & Kuck Co., Peoria, Ill. "Uncle Sam's"
U. S. Stamping Co., Moundsville, W. Va.
West Bend Aluminum Co., West Bend, Wis.

PAILS, Milk, Strainer, Etc.

American Can Co., 230 Park Av., New York, N.Y.
Atlantic Stamping Co., Rochester, N. Y.
Behrens (H.) Mfg. Co., Winona, Minn.
Geuder, Paeschke & Frey Co., Milwaukee, Wis. "Cream City"
Lalance & Grosjean Mfg. Co., Woodhaven, N. Y.
Lawson (F. H.) Co., Cincinnati, O. "Lawco"
Lisk Mfg. Co., Canandaigua, N. Y.
McLaughlin Co., Brockport, N. Y.
National Enameling & Stamping Co., Milwaukee, Wis.
Richardson (M. A.), Inc., Chicago, Ill.
Robeson-Rochester Corp., Rochester, N. Y. "Royal Rochester"
Rochester Can Co., Rochester, N. Y.
Savory, Inc., 591 Ferry, Newark, N. J.
Schlueter Mfg. Co., St. Louis, Mo.
Stuber & Kuck Co., Peoria, Ill. "Uncle Sam's"

PAILS, Minnow

Abbey & Imbrie, Utica, N. Y. "Banta"
Air-Fed Mfg. & Stamping Co., Inc., Quincy, Ill.
Allred Mfg. Co., Inc., Indianapolis, Ind.
Apex Mfg. Co., Inc., Syracuse, N. Y.
Dominion Electrical Mfg. Co., Minneapolis, Minn. "Cant-S-Cape"
Mills (Wm.) & Sons, 21 Park Pl., New York, N.Y.
National Enameling & Stamping Co., Milwaukee, Wis.
Rochester Can Co., Rochester, N. Y.
Shakespeare Co., Kalamazoo, Mich.
Stratton & Terstegge Co., Inc., Mfg. Div., Louisville, Ky., "Falls City," "Jones," "Jones Aquarium"
Twenty Purpose Sprinkler-Filler Co., Peoria, Ill.

PAILS, Oily-Waste—See Cans, Waste

PAILS, Paper

Aull Bros. Co., Dayton, O.
Dunning (J. H.) Corp., 53 Park Pl., New York, N. Y. "D. V."
O. K. Paper Pail Co., Middletown, O.

PAILS, Sand, Children's—See Sand Toys

PAILS, Sap

Conneaut Can Co., Conneaut, O.
Menasha Wooden Ware Co., Menasha, Wis.
National Enameling & Stamping Co., Milwaukee, Wis.
Reeves Mfg. Co., Dover, O.
Richardson (M. A.), Inc., Chicago, Ill.
Stuber & Kuck Co., Peoria, Ill.
Wheeling Corrugating Co., Wheeling, W. Va.

PAILS, Strainer—See Pails, Milk, Strainer

PAILS, Toy—See Sand Toys

PAILS, Waste—See Cans, Waste

PAILS and BUCKETS, Wooden

Beaver Mills, Keene, N. H.
California Barrel Co., San Francisco, Cal.
Davis Cooperage Co., Martinville, Ind.
Dickinson's (A.) Sons, Ashuelot, N. H.
Florida Woodenware Co., Palatka, Fla.
Hall Bros. Co., West Acton, Mass.
Keene Woodenware Co., Keene, N. H.
Lane, Chester L., East Swanzey, N. H.
Lown & Son, Poughkeepsie, N. Y.
McVoy Tub, Pail & Package Co., Minneapolis, Minn.
Mann (Lewis M.) & Son, West Paris, Me.
Menasha Wooden Ware Co., Menasha, Wis.
Murdock (E.) & Co., Winchendon, Mass.
Nelson Mfg. Co., East Swanzey, N. H.
Pierpont Mfg. Co., Savannah, Ga.
Proctor Bros. & Co., Kingston, N. Y.
Richmond Cedar Wks., Richmond, Va. "Anchor"
St. Louis Cooperage Co., St. Louis, Mo. "J. I. C."
Talbot & Clark, Sandown, N. H.
Toy Town Freezer Co., Winchendon, Mass.
Union Cooperage Co., St. Louis, Mo. "U. C."

PAINT BOOKS—See Books, Children's

PAINT BRUSH CLEANERS—See Cleaners, Paint Brush

PAINT BRUSHES—See Brushes, Paint

PAINT BURNERS—See Burners, Paint

PAINT CLEANERS—See Cleaners, Paint and Varnish

PAINT OIL—See Oil, Linseed

PAINT OIL STORAGE SYSTEMS—See Storage Systems, Oil

PAINT POTS—See Pots, Paint

PAINT REMOVERS — See Removers, Paint and Varnish

PAINT SCRAPERS—See Scrapers, Paint

PAINT SETS—See Outfits, Painting, Children's

PAINT SPRAYERS—See Sprayers, Paint

PAINT STRAINERS—See Strainers, Paint

PAINTS

(See also Varnishes)

Acme White Lead & Color Wks., Detroit, Mich.
Adams & Elting Co., Chicago, Ill. "Ad-el-ite," "Double Lustre," "National," "Naples Velvet Finish"
Adelphi Paint & Color Works, Woodhaven, L. I., N. Y.
Advance Paint Co., Indianapolis, Ind.
Allen (Edw. E.) Mfg. Co., Chicago, Ill.
Allen Paint & Putty Wks., Chicago, Ill.
Allentown Mfg. Co., Allentown, Pa.
Alston-Lucas Paint Co., Chicago, Ill.
Amalgamated Paint Co., Pier 11, N. R., New York, N. Y.
American Asphalt Paint Co., Chicago, Ill.
American Marine Paint Co., San Francisco, Cal.
American Paint Works, New Orleans, La.
American Paint & Supply Co., Dallas, Tex.
Angelo-American Varnish Co., 55 Johnson, Newark, N. J.
Apex Color Wks., 50 W. B'way, New York, N. Y.
Arco Co., Cleveland, O.
Armstrong Paint & Varnish Wks., Chicago, Ill. "Armello," "Armorite," "Armor-Seal," "Boss Painter," "Evry-Use," "Kilbourn," "Pawnee," "Tom Thumb"
Arnesto Paint Co., 548 W. 46th, New York, N. Y.
Aspinwall (Geo. H.), Inc., Corneilson Av., Jersey City, N. J.
Athey (C. M.) Paint Co., Baltimore, Md.
Atlantic Drier & Varnish Co., Phila., Pa.
Atlantic Paint & Varnish Wks., Wilmington, N. C. "Mura-Like," "Tenacity"
Baer Bros., 438 W. 37th, New York, N. Y. "Bruin"
Baker Paint & Varnish Co., 218 Suydam Av., Jersey City, N. J. "Luxaflat," "Staizon," "Sunnyside," "Superior"
Baltimore Copper Paint Co., Baltimore, Md.
Baltimore Paint & Color Works, Baltimore, Md.
Becker Paint Co., Columbus, Ind.
Belknap-Moran-Allen Co., 5 Ainslie, B'klyn, N. Y.
Bell Paint Co., Cleveland, O.
Billings-Chapin Co., Cleveland, O. "Artone," "Bilchaco," "Drival," "Rustnaught"
Blatz Co., Louisville, Ky.
Blue Ribbon Paint Co., Wheeling, W. Va.
Boatwright Paint & Varnish Works, Atlanta, Ga.
Bolco (L. H.) & Co., Cincinnati, O.
Boston Varnish Co., Boston, Mass. "Kyanize"
Bowne Paint & Color Wks., Boston, Mass. "Modene"
Bradford (Jas.) Co., Wilmington, Del.

PAINTS (Continued)

Bradley & Vrooman Co., Chicago, Ill.
Breinig Bros., 3rd & Grand, Hoboken, N. J. "Wallsheen"
Brightman Bros., New Bedford, Mass.
Buckeye Paint & Varnish Co., Toledo, O.
Burdsal (A.) Co., Indianapolis, Ind.
Burgess-Jones Co., Portland, Me.
Cabot (Samuel), Inc., Boston, Mass.
Calbar Paint & Varnish Co., Phila., Pa.
Californa Paint Co., Oakland, Cal.
Cambria Paint & Color Co., Johnstown, Pa.
Campbell Paint & Varnish Co., St. Louis, Mo.
Carbola Chemical Co., Natural Bridge, N. Y.
Carpenter-Morton Co., Boston, Mass. "Carmote"
Carter Paint Co., Liberty, Ind. "Liberty"
Central Paint & Varnish Mfg. Co., Kansas City, Mo.
Central Paint & Varnish Works, 69 Prospect, B'klyn, N. Y. "Cepaco Titanox," "Cumberland," "Waldorf"
Century Mfg. Co., Buffalo, N. Y.
Certain-teed Products Corp., 100 E. 42nd, New York, N. Y.
Cheesman-Elliot Co., 82 Flatbush Av., B'klyn, N. Y.
Chicago Paint Wks., Chicago, Ill. "Major White," "Upon Honor"
Chilton Paint Co., College Point, N. Y.
Clement Coverall Co., Camden, N. J.
Colonial Wks., 233 Norman Av., B'klyn, N. Y.
Colorado Paint Co., Denver, Colo.
Columbus Paint Mfg. Co., Columbus, O.
Condie-Bray Glass & Paint Co., St. Louis, Mo.
Con-Ferro Paint & Varnish Co., St. Louis, Mo. "Bestex," "Eureka," "Our Own"
Connors (Wm.) Paint Mfg. Co., Troy, N. Y. "American Seal"
Cook Paint & Varnish Co., Kansas City, Mo. "Red Circle"
Cooledge (F. J.) & Sons, Atlanta, Ga.
Davis (H. B.) Co., Baltimore, Md.
Dean & Barry Co., Columbus, O.
Debevoise Co., 968 Grand, B'klyn, N. Y.
Dell (Samuel M.) & Co., Baltimore, Md.
Deming Color Co., Toledo, O.
Denny, Hilborn & Rosenbach, Phila., Pa.
De Soto Paint & Varnish Co., Memphis, Tenn.
Detroit Graphite Co., Detroit, Mich.
Devoe & Raynolds Co., 1 W. 47th, New York, N. Y.
Diamond Products Co., Chicago, Ill.
Dixon (Joseph) Crucible Co., Monmouth, Jersey City, N. J.
Dolphin White Lead & Color Co., 501 Superior, Toledo, O.
Domino Paint Mfg. Co., New Orleans, La.
Dozier & Gay Paint Co., Jacksonville, Fla.
Dunne (David M.) Co., Sherlock Av. & 19th, Portland, Ore.
Dunne (Frank) & Co., Oakland, Cal.
DuPont (E. I.) de Nemours & Co., Inc., Phila., Pa.
Eagle Paint & Varnish Wks., Inc., 100 Lexington Av., B'klyn, N. Y.
Eberson-Lindsley Paint Co., St. Louis, Mo.
Elaterite Paint & Mfg. Co., Des Moines, Ia.
Elliott Varnish Co., Chicago, Ill.
Enterprise Paint Mfg. Co., Chicago, Ill.
Ernecke & Salmstein Co., Chicago, Ill.
Federal Composition & Paint Co., 33 Rector, New York, N. Y.
Felton, Sibley & Co., Phila., Pa.
Flint Paint & Varnish Corp., Flint, Mich.
Forman, Ford & Co., Minneapolis, Minn.
Fort Pitt Oil & Paint Co., Pittsburgh, Pa.
Fort Smith Paint & Color Co., Fort Smith, Ark.
Foy Paint Co., Cincinnati (Norwood), O. "Big-Four" "Columbian," "Permadura," "Topaz," "Trueness," "Velva-Gloss," "Velva-Seal," "Velvatone"
Frazer Paint Co., Detroit, Mich.
French (Samuel H.) & Co., Inc., Phila., Pa.
Frost Paint & Oil Co., Minneapolis, Minn.
Fuller (W. P.) & Co., Inc., San Francisco, Cal.
Gates (J. M.) Sons Co., Charleston, W. Va.
General Paint Corp., San Francisco, Cal.
Gibson-Homans Co., Cleveland, O.
Gilman Paint & Varnish Co., Chattanooga, Tenn.
Glidden Co., Cleveland, O. "Endurance," "Linc-O-Lith," "Titan-O-Zinc"
Globe Paint Co., Williamsport, Pa.
Goheen Corp., 46 Albert Av., Newark, N. J. "Galvanum"
Grand Ledge Paint Co., Grand Ledge, Mich.
Grand Rapids Varnish Corp., Grand Rapids, Mich. "Gravarco"
Graves (N. Z.), Inc., Phila., Pa.
Hanline Bros., Baltimore, Md.
Hammond's Paint & Sling Shot Wks., Beacon, N. Y.
Hampden Paint & Chemical Co., Springfield, Mass.
Hanna Paint Mfg. Co., Columbus, O.
Hardy Paint & Varnish Co., Toledo, O.
Hazard Lead Wks., Hazardville, Conn.
Heath & Milligan Mfg. Co., Chicago, Ill.
Hilo Varnish Corp., Marcy & Flushing Aves., B'klyn, N. Y.
Hirshberg Paint Co., Baltimore, Pa.
Hockaday Co., Chicago, Ill.
Hooker Glass & Paint Mfg. Co., Chicago, Ill. "King," "Northwestern"
Horn (A. C.) Co., Bodine St., Long Island City, N. Y.
Howell (C. H.) & Co., Phila., Pa.
Impervious Paint & Varnish Co., Phila., Pa.
Indiana Indestructible Paint Co., Chicago, Ill. "Fullerton," "Super-White"
Indianapolis Paint & Color Co., Indianapolis, Ind. "Capital City"
Inland White Lead Co., Chicago, Ill.
Irvin, Jewell & Vinson Co., Dayton, O. "Anchor"
Jamestown Paint & Varnish Co., Jamestown, Pa.
Jewel Paint & Varnish Co., Chicago, Ill. "Conqueror," "Domestic"
Johnson (Oliver) & Co., Providence, R. I.
Johnston (R. F.) Paint Co., Cincinnati, O.
Kansas Paint & Color Co., Wichita, Kan.
Keystone Albumen & Paint Co., Phila., Pa.
King Paint Mfg. Co., 449 Kent Av., B'klyn, N. Y.
Kirby (Geo. J., Jr.) Paint Co., New Bedford, Mass.
Knapp (E. J.) & Co., Belding, Mich.
Kolbe (John) Co., Cincinnati, O.
Kuehnle, Inc., Phila., Pa.
Kuhls, H. B. Fred, 719 3rd. Av., B'klyn, N. Y.
Kunns Paint & Varnish Wks., Houston, Tex.
Kurfees (J. F.) Paint Co., Louisville, Ky.
Lancaster Paint & Glass Co., Lancaster, Pa. "Amaza," "Eureka"
Lansing Paint & Color Co., Lansing, Mich.
Lawrence (W. W.) & Co., Pittsburgh, Pa.
Leavitt, Louis, 454 Driggs Av., Brooklyn, N. Y. "Dri Flat," "Ritz-Tona"
Limbacher Paint & Color Wks., 697 E. 189th, New York, N. Y.
Lincoln Paint & Color Co., Lincoln, Neb.
Lino Paint Co., Collinwood, Cleveland, O.
Long (Chas. R.) Jr. Co., Inc., Louisville, Ky.
Longman & Martinez, 46 Roebling, Brooklyn, N. Y.
Louisville Paint Mfg. Co., Louisville, Ky.
Lowe Bros. Co., Dayton, O. "Blan-en-al," "Derby Red," "Fireproof White, "Mello-Gloss," Mellotone," "Standard"
Lucas (John) & Co, Philadelphia, Pa.
McCafferty (Jas. A.) & Sons Mfg. Co., 505 Driggs Ave., Brooklyn, N. Y.
McDougall-Butler Co., Buffalo, N. Y.
McMurtry Mfg. Co., Denver, Colo.
McQuade (John) & Co., 134 Classon Av., Brooklyn, N. Y.
Magner Bros., San Francisco, Cal.
Marietta Paint & Color Co., Marietta, O.
Marine Paint & Varnish Co., New Orleans, La.
Marion Paint Co., Indianapolis, Ind.
Mar-Kay Mfg. Co., St. Louis, Mo.
Martin & Martin, Chicago, Ill. "E-Z"
Martin-Senour Co., Chicago, Ill. "Monarch"
Master Mechanics Co., Cleveland, O.
Masury (John W.) & Son, 50 Jay, Brooklyn, N. Y.
Mathews Paint Co., Los Angeles, Cal.
Means & Thacher, Quincy, Mass.
Mets (P. A.) Paint Co., Buffalo, N. Y.
Meyer (E. H.) & Co., Cincinnati, O.
Miami Valley Paint Co., Dayton, O.
Minehart-Traylor Co., Denver, Colo.
Missouri Paint & Varnish Co., St. Louis, Mo.
Moline Paint Mfg. Co., Moline, Ill.
Moore (Benj.) & Co., 51P Canal, New York, N. Y.
Moore-Leland Paint & Oil Co., Charleston, S. C.
Morgan Co., Peoria, Ill.
Mortell (J. W.) Co., Kankakee, Ill.
Moser (Chas.) Co., Cincinnati, O.
Mound City Paint & Color Co., St. Louis, Mo. "Horse Shoe"
Murphy Varnish Co., 224 McWhorter, Newark, N. J.
Mutual Paint Co., St. Paul, Minn.
Nevin (T. H.) Co., Pittsburgh, Pa.
New Jersey Paint Wks., Wayne & Monmouth, Jersey City, N. J.
Nice (Eugene E.) Co., Philadelphia, Pa.
Norfolk Paint & Varnish Co., Norfolk Downs, Mass.
Nubian Paint & Varnish Co., Chicago, Ill.
Oakley Paint Mfg. Co., Los Angeles, Cal.
O'Neil Oil & Paint Co., Milwaukee, Wis.
Otley Paint Mfg. Co., Chicago, Ill.
Paraffine Co., San Francisco, Cal. "Pabco"
Parker (Ira) & Sons Co., Oshkosh, Wis.
Parr Paint & Color Co., Cleveland, O.
Parrott Varnish Co., Inc., Bridgeport, Conn. "46"
Patek Bros. Milwaukee Wis.
Patterson-Sargent Co. Cleveland O. "B. P. S."
Peaslee-Gaulbert Paint & Varnish Co. Inc. Louisville Ky. "Pee Gee"
Pecora Paint Co. Philadelphia Pa.
Peninsular Paint & Varnish Co. Detroit Mich.
Perry-Robinson Corp. 25 W. 45th, N. Y. C. "Perichrome"
Phelan-Faust Paint Mfg. Co., St. Louis Mo.
Phoenix Paint & Varnish Co., Phila., Pa.
Pierce (F. O.) Co., 12 W. Broadway, New York, N. Y.
Pioneer Mfg. Co., Cleveland, O. "Shino"
Pittsburgh Plate Glass Co., Milwaukee, Wis. "Patton's Sun-Proof," "Wallhide"
Pontiac Paint Mfg. Co., Pontiac, Mich.
Preservative Paint Co., Seattle, Wash.
Prince (Jas. H.) Paint Co., Boston, Mass.
Progress Paint Mfg. Co., Louisville, Ky.
Puritan Paint & Oil Co., Pittsburgh, Pa.
Pyramid Paint Co., Philadelphia, Pa.
Reardon (The) Co., St. Louis, Mo.
Reeder (Oliver) & Son, Baltimore, Md.
Reliance Paint Co., 44 Commerce, B'klyn., N. Y.
Renker-Deas Paint Mfg. Co., Augusta, Ga.
Republic Paint & Varnish Works, Chicago, Ill.
Republic Varnish Co., Newark, N. J. "Repco"
Rinald Bros. Paint Wks., Phila., Pa.
Ruberoid Co., 95 Madison Av., New York, N. Y.
Ruth (B. F.) & Co., Reading, Pa.
Sailors (R. L.) & Co., Longview, Wash. "ReNew" (Window Shade Paint)
St. Louis Surfacer & Paint Co., St. Louis, Mo.
St. Paul White Lead & Oil Co., St. Paul, Minn. "Lion"
Sapolin Co., 229 E. 42nd, New York, N. Y. "Paintex"
Sargent Gerke Co., Indianapolis, Ind.
Sartorius (A.) & Co., 57 Murray, New York, N. Y.
Sherwin-Williams Co., Cleveland, O.
Sipe (Jas. B.) & Co., Pittsburgh, Pa.
Smith (Edw.) & Co., 127 West Av., Long Island City, N. Y.
Stanley Chemical Co., East Berlin, Conn.
Smith-Alsop Paint & Varnish Co., Terre Haute, Ind.
Sonneborn (L.) Sons, 88 Lexington Av., New York, N. Y. "Amalie," "Cemcoat"
Southwestern Paint & Varnish Co., Kansas City, Mo.
Standard Plate Glass Corp., Pittsburgh, Pa. "So-E-Zy"
Standard Varnish Wks., 443 4th Av., New York, N. Y. "Protecacote"
Steelcote Mfg. Co., St. Louis, Mo.
Sterling Paint & Color Co., Louisville, Ky.
Stickney Color Co., Indianapolis, Ind.
Stockton Paint Co., Stockton, Cal.
Sunset Color Works, Salt Lake City, Utah.
Suydam (M. B.) Co., Pittsburgh, Pa.
Tamms Silica Co., Chicago, Ill.
Tarr & Wonson, Gloucester, Mass.
Thomas (A. H.) Paint Co., Waverly, N. Y.
Thompson & Co., Pittsburgh, Pa.
Thomson Wood Finishing Co., Philadelphia, Pa.
Tibbetts-Oldfield Co., Los Angeles, Cal.
Toch Bros., 386 4th Av., New York, N. Y.
Towns Paint Co., Buffalo, N. Y. "To-Pa-Co"
Tredennick Paint Mfg. Co., Meriden, Conn.
Tropical Paint & Oil Co., Cleveland, O.
True-Tagg Paint Co., Memphis, Tenn.
Truscon Laboratories, Detroit, Mich.
Twin City Varnish Co., Minneapolis, Minn.
Union Paint Co., Pittsburgh, Pa.
U. S. Gutta Percha Paint Co., Providence, R. I. "Barreled Sunlight"
Universal Coatings Corp., 17 State, New York, N. Y.
Upco Co., Cleveland, O.
Utley Paint Co., New Orleans, La.
Valentine & Co., 386 4th Av., New York, N. Y. "Valspar"
Vane-Calvert Paint Co., St. Louis, Mo.
Varcraft Wks., Pottstown, Pa.
Vaughan Paint Co., Columbus Rd., Cleveland, O.
Voltax Co., Bridgeport, Conn.
Vortex Mfg. Co., Cleveland, O.
Wadsworth, Howland & Co., Boston, Mass.
Waggoner Paint & Glass Co., Kansas City, Mo.
Warren Paint Co., 8604 Kinsman, Cleveland, O.
Warren Paint & Color Co., Nashville, Tenn.
Washburn (Ira D.) Co., Cincinnati, O.
West Chemical & Paint Co., Springport, Mich.
Western Paint & Varnish Co., New Duluth, Minn.
Wetherhill (G. D.) & Co., Philadelphia, Pa.
Whitlam (J. C.) Mfg. Co., Wadsworth, O.
Wilhelm (A.) Co., Reading, Pa.
Willey (C. A.) Co., Hancock St., Long Island City, N. Y.
Woolsey (C. A.) Paint & Color Co., 500 Grand, Jersey City, N. J. "Adamant," "Copper Best," "Indestructible," "Standard," "Weather-Kote"
Yates-Hulette Paint Co., San Francisco, Cal.
Zummach, Wm. F., Milwaukee, Wis.

PAINTS, Aluminum, Bronze and Gold

Adams & Elting Co., Chicago, Ill.
Aluminum Co. of America, Pittsburgh, Pa.
Aluminum Industries, Inc., Cincinnati, O. "Permite"
Ambassador Specialties, Inc., Detroit, Mich. "Heart of Quality"
American Asphalt Paint Co., Chicago, Ill.
American Bronze Powder Mfg. Co., 16 Warren, New York, N. Y.
Arco Co., Cleveland, O.
Arnstein, Eugene, Chicago, Ill.
Baer Bros., 438 W. 37th, New York, N. Y.
Boyer Chemical Laboratory Co., Chicago, Ill.
Carter Paint Co., Liberty, Ind. "Armorize"
Con-Ferro Paint & Varnish Co., St. Louis, Mo. "Eureka"
Connors (Wm.) Paint Mfg. Co., Troy, N. Y.
Dehls & Stein, Inc., 237 South, Newark, N. J.
DeSoto Paint & Varnish Co., Memphis, Tenn.
Devoe & Raynolds, 1 W. 47th, New York, N. Y. "Alustrium"
Dixon (Jos.) Crucible Co., Wayne & Monmouth, Jersey City, N. J.
Eberson-Lindsley Paint Co., St. Louis, Mo.
Flint Paint & Varnish Corp., Flint, Mich.
Foy Paint Co., Inc., Cincinnati (Norwood), O. "Topaz"
French (Samuel H.) & Co., Inc., Philadelphia, Pa.
Goheen Corp., 46 Albert Av., Newark, N. J. "Alumikote"
Hampden Paint & Chemical Co., Springfield, Mass.
Hanna Paint Mfg. Co., Columbus, O.
Heath & Milligan Mfg. Co., Chicago, Ill.
Hemmerdinger (L.) & Co., 438 E. 123d, New York, N. Y.
Hommel (O.) Co., Pittsburgh, Pa.
International Metal Polish Co., Indianapolis, Ind. "Blue Ribbon"
Kahn (H.) & Co., Philadelphia, Pa. "Robin Hood"
Kemp(W. H.) Co., 165 Spring, New York, N. Y.
Lucas (John) & Co., Philadelphia, Pa.
Martin-Martin, Chicago, Ill.
Martin-Senour Co., Chicago, Ill.
Mathews Paint Co., Los Angeles, Cal.
Nice (Eugene E.) Co., Philadelphia, Pa.
Nu-Back Mfg. Co., St. Louis, Mo.
Page Steel & Wire Co., Monessen, Pa. (For Fence)
Ritch & Pidge Mfg. Co., Fultonville, N. Y. "Peerless"
Roberson Preservo Co., Port Huron, Mich. "Glazo"
Sapolin Co., 229 E. 42d, New York, N. Y.
Sartorius (A.) & Co., 80 5th Av., New York, N. Y.
Sheffield Bronze Powder & Stencil Co., 5817 Kinsman Rd., Cleveland, O.
Sherwin-Williams Co., Cleveland, O.

PAINTS, Asphalt

American Asphalt Paint Co., Chicago, Ill.
American Asphalt Roof Corp., Kansas City, Mo. "Old American"

PAINTS, Asphalt (Continued)

Arco Co., Cleveland, O.
Armstrong Paint & Varnish Wks., Chicago, Ill. "Armello," "Armorite," "Armor-Seal," "Boss Painter," "Evry-Use," "Kilbourn," "Pawnee"
Ashland Paint Co., Huntington, W. Va. "A A A," "Black Mammy"
Atlas Asbestos Co., North Wales, Pa.
Atlas Dryer Co., Cleveland, O.
Barber Asphalt Paving Co., Phila., Pa.
Barrett Co., 40 Rector, New York, N. Y. "Anchor," "Everjet," "Eternium"
Becker-Moore Paint Co., St. Louis, Mo.
Bestoseal Co., Cleveland, O.
Briggs (W. A.) Bitumen Co., Phila., Pa.
Brininstool Co., Los Angeles, Cal.
Cambria Paint & Color Co., Johnstown, Pa.
Carter Paint Co., Liberty, Ind. "Liberty"
Carey (Phillip) Co., Cincinnati, O.
Certain-teed Products Corp., 100 E. 42nd, New York, N. Y.
Cheesman-Elliot Co., 641 Kent Av., Brooklyn, N. Y.
Devoe & Raynolds Co., 1 W. 47th, New York, N. Y.
Flintkote Corp., Pershing Sq. Bldg., New York, N. Y.
Fort Pitt Oil & Paint Co., Pittsburgh, Pa.
Foster (Benjamin) Co., Inc., Phila., Pa. "I. B. M."
Hampden Paint & Chemical Co., Springfield, Mass.
Hetzel (J. G.) Est., 67 Main, Newark, N. J.
Jamestown Wood Finishing Co., Jamestown, N. Y.
Martin-Senour Co., Chicago, Ill.
Mathews Paint Co., Los Angeles, Cal.
Mitchell-Rand Mfg. Co., 51 Murray, New York, N. Y. "Gold Medal"
Nice (Eugene E.) Co., Philadelphia, Pa.
Parker (C. H.) Co., Valparaiso, Ind.
Pioneer Asphalt Co., Lawrenceville, Ill.
Pittsburgh Plate Glass Co., Milwaukee, Wis. "Patton's Sun-Proof"
Rutland Fire Clay Co., Rutland, Vt.
Sall Mountain Co., Chicago, Ill.
Sonneborn (L.) Sons, 88 Lexington Av., New York, N. Y.
Standard Oil Co. of Cal., San Francisco, Cal.
Stickney (J. W.) & Co., Boston, Mass.
Suydam (M. B.) Co., Pittsburgh, Pa.
Thibaut & Walker Co., 72 9th, Long Island City, N. Y.
Thompson & Co., Pittsburgh, Pa.
Truscon Laboratories, Detroit, Mich.
Western Elaterite Roofing Co., Denver, Colo.

PAINTS, Automobile, Carriage, Coach, Etc.

Adams & Elting Co., Chicago, Ill.
Alston-Lucas Paint Co., Chicago, Ill.
American Paint Co., Chicago, Ill.
Arco Co., Cleveland, O.
Beckwith-Chandler Co., Newark, N. J.
Boyer Chemical Laboratory Co., Chicago, Ill.
Bradford (Jas.) Co., Wilmington, Del.
Brininstool Co., Los Angeles, Cal.
Burdsal (A.) Co., Indianapolis, Ind.
Cambria Paint & Color Co., Johnstown, Pa.
Continental Products Co., Euclid, O.
Denny, Hilborn & Rosenbach, Phila., Pa.
Detroit White Lead Wks., Detroit, Mich.
Ditzler Color Co., Detroit, Mich. "Ditz-Lac"
Du Pont (E. I.) De Nemours & Co., Inc., Philadelphia, Pa. "Duco"
Durkee-Atwood Co., Minneapolis, Minn.
Eagle Paint & Varnish Co., Pittsburgh, Pa.
Eberson-Lindsley Paint Co., Cleveland, O.
Empire Varnish Co., Cleveland, O.
Foy Paint Co., Inc., Cincinnati (Norwood), O.
Gates (J. M.) Sons Co., Charleston, W. Va.
Hanline Bros., Baltimore, Md.
Kay & Ess Co., Dayton, O.
King Paint Mfg. Co., 449 Kent Av., Brooklyn, N. Y.
McMurtry Mfg. Co., Denver, Colo.
Masury (J. W.) & Son, 44 Jay, Brooklyn, N. Y.
Mathews Paint Co., Los Angeles, Cal.
Nice (Eugene E.) Co., Philadelphia, Pa.
Pittsburgh Plate Glass Co., Milwaukee, Wis. "Patton's Sun-Proof"
Remolite Paint Co., San Francisco, Cal.
Sapolin Co., 229 E. 42d, New York, N. Y.
Schrack (C.) & Co., Philadelphia, Pa.
Smith (Edw.) & Co., 127 West Av., Long Island City, N. Y.
Stickney Color Co., Indianapolis, Ind.
Towns Paint Co., Buffalo, N. Y. "To-Pa-Co"
Truscon Laboratories, Detroit, Mich.
Valentine & Co., 386 4th Av., New York, N. Y. "Valspar"
Van Cleef Bros., Chicago, Ill.
Wilhelm (A.) Co., Reading, Pa.
Willey (C. A.) Co., Long Island City, N. Y.
Woolsey (C. A.) Paint & Color Co., 500 Grand, Jersey City, N. J.

PAINTS, Barn

Arco Co., Cleveland, O.
Armstrong Paint & Varnish Wks., Chicago, Ill. "Armello," "Armorite," "Armor-Seal," "Boss Painter," "Evry-Use," "Kilbourn," "Pawnee"
Berry Bros., Detroit, Mich. "Berrycraft"
Black Diamond Paint & Varnish Wks., Cincinnati, O. "Watertite"
Brininstool Co., Los Angeles, Cal.
Burdsal (A.) Co., Indianapolis, Ind.
Cambria Paint & Color Co., Johnstown, Pa.
Carter Paint Co., Liberty, Ind. "Liberty"
Certain-teel Products Corp., 100 42nd, New York, N. Y.
Connors (Wm.) Paint Mfg. Co., Troy, N. Y.
Continental Products Co., Euclid, O.
Diamond Products Co., Chicago, Ill. "Pitkind's" (Red Oxide)
Dixon (Jos.) Crucible Co., Wayne & Monmouth, Jersey City., N. J.
Eberson-Lindsley Paint Co., St. Louis, Mo.
Federal Composition & Paint Co., 33 Rector, New York, N. Y.
Felton-Sibley & Co., Inc., Phila., Pa.
Foy Paint Co., Inc., Cincinnati, (Norwood), O. "Columbian"
Hampden Paint & Chemical Co., Springfield, Mass.
Hannan Paint Mfg. Co., Columbus, O.
Heath & Milligan Mfg. Co., Chicago, Ill.
Indiana Indestructible Paint Co., Chicago, Ill.
Interstate Chemical Co., 667 Garfield Av., Jersey City, N. J.
Jamestown Paint & Varnish Co., Jamestown, Pa.
Jamestown Wood Finishing Co., Jamestown, N. Y.
Knapp (E. J.) & Co., Belding, Mich.
Lucas (John) & Co., Phila., Pa.
Martin-Senour Co., Chicago, Ill.
Masury (J. W.) & Son, 44 Jay, B'klyn, N. Y.
Mathews Paint Co., Los Angeles, Cal.
Nelson-Evans Paint Co., Omaha, Neb.
Nice (Eugene E.) Co., Phila., Pa.
Oxidite Mfg. Co., Arlington, Mass.
Peerless Paint & Varnish Co., Cleveland, O.
Ridgway-Quest Co., Chicago, Ill.
St. Louis Surfacer & Paint Co., St. Louis, Mo.
St. Paul White Lead & Oil Co., St. Paul, Minn.
Sherwin-Williams Co., Cleveland, O.
Southwestern Paint & Varnish Co., Kansas City, Mo.
Standard Paint & Lead Wks., Cleveland, O.
Truscon Laboratories, Detroit, Mich.
Valentine & Co., 386 4th Av., New York, N. Y. "Valspar"

PAINTS, Brick—See Paints, Cement, Concrete, Brick, Etc.

PAINTS, Bronze—See Paints, Aluminum and Bronze

PAINTS, Carriage—See Paints, Automobile, Carriage, Coach, Etc.

PAINTS, Cement, Concrete, Brick, Etc.

Adams & Elting Co., Chicago, Ill.
Alcatraz Co., Richmond, Va.
Allentown Mfg. Co., Allentown, Pa.
American Cement Paint Co., Chattanooga, Tenn. "Zemcolite"
Antakwa Co., Chicago, Ill.
Arco Co., Cleveland, O.
Ashland Paint Co., Huntington, W. Va.
Atlantic Paint Co., 185 Madison Av., New York, N. Y.
Becker-Moore Paint Co., St. Louis, Mo.
Black Diamond Paint & Varnish Wks., Cincinnati, O. "Watertite"
Boydell Bros. White Lead & Color Co., Detroit, Mich.
Brininstool Co., Los Angeles, Cal.
Burdsal (A.) Co., Indianapolis, Ind.
Cambria Paint & Color Co., Johnstown, Pa.
Certain-teed Products Corp., 100 E. 42nd, New York, N. Y.
Chattanooga Paint Co., Chattanooga, Tenn.
Cheesman-Elliot Co., 641 Kent Av., B'klyn, N. Y.
Con-Ferro Paint & Varnish Co., St. Louis, Mo. "Bestex"
Continental Products Co., Euclid, O.
Denny, Hilborn & Rosenbach, Phila., Pa.
De Soto Paint & Varnish Co., Memphis, Tenn.
Detroit Graphite Co., Detroit, Mich.
Devoe & Raynolds Co., 1 W. 47th, New York, N. Y.
Dixon (Jos.) Crucible Co., Wayne & Monmouth, Jersey City, N. J.
Eberson-Lindsley Paint Co., St. Louis, Mo.
Fox (M. Ewing) Co., 240 E. 136th, New York, N.Y.
Foy Paint Co., Inc., Cincinnati, (Norwood), O.
French (Samuel H.) & Co., Inc., Phila., Pa.
Glidden Co., Cleveland, O.
Goheen Corp., 46 Albert Av., Newark, N. J. "Concrewaltum"
Hampden Paint & Chemical Co., Springfield, Mass.
Hanna Paint Mfg. Co., Columbus, O.
Heath & Milligan Mfg. Co., Chicago, Ill.
Hetzel (J. C.) Est., 67 Maine, Newark, N. J.
Indianapolis Paint & Color Co., Indianapolis, Ind. "Capital City"
Lawrence (W. W.) & Co., Pittsburgh, Pa.
Lincoln Paint & Color Co., Lincoln, Neb.
Lowe Bros. Co., Dayton, O.
Lucas (John) & Co., Phila., Pa.
McMurtry Mfg. Co., Denver, Colo.
Martin-Senour Co., Chicago, Ill.
Master Mechanics Co., Cleveland, O.
Masury (J. W.) & Son, 44 Jay, B'klyn, N. Y.
Mathews Paint Co., Los Angeles, Cal.
Medush Portland Cement Co., Cleveland, O.
Miniwax Co., 11 W. 42nd, New York, N. Y.
Mound City Paint & Color Co., St. Louis, Mo. "Horse Shoe"
Mural Co., Inc., 570 Richmond Terrace, Staten Island, N. Y.
National Roofing Co., Tonawanda, N. Y.
Nevin (T. H.) Co., Pittsburgh, Pa.
Nice (Eugene E.) Co., Phila., Pa.
Parker, Preston & Co., Norwich, Conn.
Peaslee-Gaulbert Co., Louisville, Ky.
Pecora Paint Co., Phila., Pa.
Pittsburgh Plate Glass Co., Milwaukee, Wis. "Patton's Sun-Proof"
Pyramid Paint Co., Phila., Pa.
Reardon (The) Co., St. Louis, Mo. "Bondex"
Remolite Paint Co., San Francisco, Cal.
Rinald Bros. Paint Wks., Inc., Phila., Pa.
Robeson Preservo Co., Port Huron, Mich.
Roman Paint Co., San Francisco, Cal.
St. Paul White Lead & Oil Co., St. Paul, Minn.
Sherwin-Williams Co., Cleveland, O.
Smith (Edw.) & Co., 127 West Av., Long Island City, N. Y.
Smooth-On Mfg. Co., 574 Communipaw Av., Jersey City, N. J.
Sonneborn (L.) Sons, 88 Lexington Av., New York, N. Y.
Standard Chemical Corp., Kalamazoo, Mich.
Standard Plate Glass Co., Pittsburgh, Pa.
Standard Varnish Wks., 30th & 4th Av., New York, N. Y.
Toch Bros., 386 4th Av., New York, N. Y.
Tropical Paint & Oil Co., Cleveland, O.
Truscon Laboratories, Detroit, Mich.
U. S. Gutta Percha Paint Co., Providence, R. I.
Voltax Co., Bridgeport, Conn.
Wadsworth-Howland Co., Boston, Mass.
Western Elaterite Roofing Co., Denver, Colo.
Wilhelm (A.) Co., Reading, Pa.
Woolsey (C. A.) Paint & Color Co., 500 Grand, Jersey City, N. J.

PAINTS, Coach—See Paints, Automobile, Carriage, Coach, Etc.

PAINTS, Cold Water

Acme Asbestos Covering & Flooring Co., Chicago, Ill.
Adams & Elting Co., Chicago, Ill.
Alabastine Co., Grand Rapids, Mich.
Becker-Moore Paint Co., St. Louis, Mo.
Carbola Chemical Co., Natural Bridge, N. Y. "Hylite"
Connors (Wm.) Paint Mfg. Co., Troy, N. Y.
Devoe & Raynolds Co., 1 W. 47th, New York, N. Y.
Fox (M. Ewing) Co., 240 E. 136th, New York, N. Y. "Factory White," "Permanite"
French (Samuel H.) & Co., Inc., Phila., Pa.
Hetzel (J. C.) Est. 67 Maine, Newark, N. J.
Mathews Paint Co., Los Angeles, Cal.
Maxwell Paint Co., Phila., Pa.
Moore (Benj.) & Co., 511 Canal, New York, N. Y.
Muralo Co., Inc., 570 Richmond Terrace, Staten Island, N. Y.
National Roofing Co., Tonawanda, N. Y.
Niles (Wm. J.) Co., Phila., Pa.
Oakley Paint Mfg. Co., Los Angeles, Cal.
Reardon (The) Co., St. Louis, Mo. "Alfresco," "Distempo," "Lumnite," "Modex," "Plastex," "Solarite"
Rice (A. L.), Inc., Adams, N. Y. "Powdrpaint"
Selman Bros., Detroit, Mich.
Sherwin-Williams Co., Cleveland, O.
Whittaker, Clark & Daniels, 250 Front, New York, N. Y.
Woolsey (C. A.) Paint & Color Co., 500 Grand, Jersey City, N. J.
Zementine Mfg. Wks., Phila., Pa.

PAINTS, Concrete—See Paints, Cement, Concrete, Brick, Etc.

PAINTS, Dehorning

Antiseptic Products Co., Denver, Colo. "Anchor"

PAINTS, Disinfecting

Carbola Chemical Co., Natural Bridge, N. Y.
Modern Products Corp., Chicago, Ill. "Health Paint"
Truscon Laboratories, Detroit, Mich.

PAINTS, Enamel

Acme White Lead & Color Wks., Detroit, Mich.
Adams & Elting Co., Chicago, Ill. "Ad-el-Ite," "Amel-ite"
Akron Varnish Co., Akron, O. "Imperial"
Ambassador Specialties, Inc., Detroit, Mich "Heart of Quality"
Angelo-American Varnish Co., 55 Johnson, Newark, N. J.
Armitage (John L.) & Co., 54 Dawson, Newark, N. J.
Baer Bros., 438 W. 37th, New York, N. Y. "Mongol"
Baker Paint & Varnish Co., 218 Suydam Av., Jersey City, N. J. "Luxolin"
Berry Bros., Detroit, Mich. "Berrycraft," "Luxeberry"
Billings-Chapin Co., Cleveland, O. "Bilchaco"
Bissell Varnish Co., Bridgeport, Conn. "Crocketts"
Boston Varnish Co., Boston, Mass.
Bowne Paint & Color Wks., Boston, Mass. "Modene"
Boyer Chemical Laboratory, Chicago, Ill.
Bradford (Jas.) Co., Wilmington, Del.
Breinig Bros., 3rd & Grand, Hoboken, N. J.
Brooklyn Varnish Mfg. Co., 35 Nostrand Av., Bklyn., N. Y.
Campbell Paint & Varnish Co., St. Louis, Mo.
Carpenter-Morton Co., Boston, Mass. "Carmote"
Central Paint & Varnish Wks., 69 Prospect, Bklyn., N. Y. "Centralite," "Hi-Tone," "Velvetona"
Chicago Paint Wks., Chicago, Ill. "Honor"
Cleveland Varnish Co., Cleveland, O.
Columbus Varnish Co., Columbus, O.
Con-Ferro Paint & Varnish Co., St. Louis, Mo. "Bestex," "Eureka," "Our Own"
Connors (Wm.) Paint Mfg. Co., Troy, N. Y. "American Seal"

PAINTS, Enamel (Continued)

Davies Products, Inc., St. Paul, Minn. "Dayduc"
Day (Jas. B.) Co., Chicago, Ill.
Denny, Hilborn & Rosenbach, Phila., Pa.
Detroit White Lead Wks., Detroit, Mich.
Devoe & Raynolds Co., 1 W. 47th, New York, N. Y.
Du Pont (E. I.) de Nemours & Co., Inc., Phila., Pa.
Eagle Paint & Varnish Wks., Inc., 100 Lexington Av., Bklyn., N. Y.
Eberson-Lindsley Paint Co., St. Louis, Mo.
Egyptian Lacquer Mfg. Co., 90 West, New York, N. Y. "N-F-R"
Elliott Varnish Co., Chicago, Ill.
Enterprise Paint Mfg. Co., Chicago, Ill.
Felton, Sibley & Co., Phila., Pa.
Foy Paint Co., Inc., Cincinnati (Norwood), O. "Dri-Fast," "Permadora"
Fuller (W. P.) & Co., Inc., San Francisco, Cal.
Glidden Co., Cleveland, O. "Jap-A-Lac," "Ripolin," "Superior," "Titan-O-Zinc," "Velvet White"
Globe Paint Co., Williamsport, Pa.
Grand Rapids Varnish Corp., Grand Rapids, Mich. "Grapaco"
Hanline Bros., Baltimore, Md.
Hardy Paint & Varnish Co., Toledo, O.
Hazard Lead Wks., Hazardville, Conn.
Heath & Milligan Mfg. Co., Chicago, Ill.
Hilo Varnish Corp., 42 Stewart Av., Bklyn., N. Y.
Indiana Indestructible Paint Co., Chicago, Ill. "Flo-Enamel"
Jamestown Wood Finishing Co., Jamestown, N. Y.
Johnson (S. C.) & Son, Racine, Wis.
Jones-Dabney Co., Louisville, Ky.
Keystone Varnish Co., 71 Otsego, Bklyn., N. Y.
Kirby (Geo.) Jr. Paint Co., New Bedford, Mass.
Knapp (E. J.) & Co., Belding, Mich.
Lansing Paint & Color Co., Lansing, Mich.
Leavitt, Louis, 454 Driggs Av., Bklyn., N. Y. "Liquid Sunshine," "Save a Coat"
Livingston Co., New Haven, Conn. "I. C. U."
Louisville Paint Mfg. Co., Louisville, Ky.
Louisville Varnish Co., Louisville, Ky. "Fixall"
Lowe Bros. Co., Dayton, O. "Extra White," "Lindure"
Lucas (John) & Co., Phila., Pa. "Lucokwik"
McDougall-Butler Co., Buffalo, N. Y.
Marietta Paint & Color Co., Marietta, O. "Shieldcote"
Martin-Senour Co., Chicago, Ill.
Martin Varnish Co., Chicago, Ill.
Masury (John W.) & Son, 44 Jay, Bklyn., N. Y.
Mirrorlike Mfg. Co., Queens Blvd., Long Island City, N. Y.
Moore (Benj.) & Co., 511 Canal, New York, N. Y. "Utilac"
Morgan Co., Peoria, Ill.
Mound City Paint & Color Co., St. Louis, Mo. "Horse Shoe"
Murphy Varnish Co., 224 McWhorter, Newark, N. J. "DaCote," "Muronic"
Norfolk Paint & Varnish Co., Norfolk Downs, Mass.
O'Brien Varnish Co., South Bend, Ind "Liquid Velvet"
Ohio Varnish Co., Cleveland, O. "Chi-Namel"
Patterson-Sargent Co., Cleveland, O. "B. P. S.," "Glosfast"
Peaslee-Gaulbert Paint & Varnish Co., Inc., Louisville, Ky. "Pee Gee"
Peninsular Paint & Varnish Co., Detroit, Mich. "Intex"
Permatex Co., Sheepshead Bay, N. Y.
Pittsburgh Utilities, Inc., 11 W. 42nd, New York, N. Y.
Pratt & Lambert, Inc., Buffalo, N. Y. "Effecto," "61," "Vitralite"
Re-Nu-R Products Co., Minneapolis, Minn.
Republic Varnish Co., 201 Thomas, Newark, N. J.
Sapolin Co., 229 E. 42nd, New York, N. Y. "Speed Enamel"
Sargent Gerke Co., Indianapolis, Ind.
Sheffield Bronze Powder & Stencil Co., 5817 Kinsman Rd., Cleveland, O.
Sherwin-Williams Co., Cleveland, O.
Sonneborn (L.) Sons, 88 Lexington Av., New York, N. Y. "Paripan"
Standard Varnish Wks., 386 4th Av., New York, N. Y. "Albarite," "Quickwork," "Satinette"
Steelcote Mfg. Co., St. Louis, Mo.
Stanley Chemical Co., E. Berlin, Conn.
Technical Color & Chemical Wks., 523 3rd Av., Bklyn., N. Y. "Red Devil"
Thibaut & Walker Co., 9th & Vernon Av., Long Island City, N. Y. "Ex-In-O-Lite"
Tousey Varnish Co., Chicago, Ill.
Tredennick Paint Mfg. Co., Meriden, Conn. "Treco"
Truscon Laboratories, Detroit, Mich.
Twin City Varnish Co., Minneapolis, Minn. "Blaxshine"
U. S. Gutta Percha Paint Co., Providence, R. I. "Barreled Sunlight"
Valentine & Co., 386 4th Av., New York, N. Y. "Super Valspar," "Valspar"
Varcraft Wks., Pottstown, Pa.
Wadsworth-Howland Co., Boston, Mass. "Bay State"
Wetherhill (G. D.) & Co., Phila., Pa.
Wilhelm (A.) Co., Reading, Pa. "Royalcote"
Wilson-Imperial Co., 115 Chestnut, Newark, N. J. "Imperial"
Won Kote Enamel Co., Geneva, N. Y.
Woolsey (C. A.) Paint & Color Co., 500 Grand, Jersey City, N. J.

PAINTS, Floor

Adams & Elting Co., Chicago, Ill.
Arco Co., Cleveland, O.
Bradley & Vrooman Co., Chicago, Ill. "Perma-Lac"
Burdsal (A.) Co., Indianapolis, Ind.
Carpenter Morton Co., Boston, Mass. "Carmote"
Continental Products Co., Euclid, O.
Denny, Hilborn & Rosenbach, Phila., Pa.
Dixon (Jos.) Crucible Co., Wayne & Monmouth, Jersey City, N. J.
Eagle Paint & Varnish Co., Pittsburgh, Pa.
Eberson-Lindsley Paint Co., St. Louis, Mo.
Enterprise Paint Mfg. Co., Chicago, Ill.
Foy Paint Co., Inc., Cincinnati (Norwood), O.
Gates (J. M.) Sons Co., Charleston, W. Va.
Goheen Corp., 46 Albert Av., Newark, N. J. "Rockote"
Hampden Paint & Chemical Co., Springfield, Mass.
Johnson, Oliver & Co., Providence, R. I.
Lawrence (W. W.) & Co., Pittsburgh, Pa.
Leavitt, Louis, 454 Driggs Av., Bklyn., N. Y. "Brilliant," "Dri Hard," "Perfect"
Lincoln Paint & Color Co., Lincoln, Neb.
Lucas (John) & Co., Inc., Phila., Pa. "Floor-Life"
Martin-Senour Co., Chicago, Ill. "Monarch"
Mathews Paint Co., Los Angeles, Cal.
Moore (Benj.) & Co., 511 Canal, New York, N. Y.
Nice (Eugene E.) Co., Phila., Pa.
Patterson-Sargent Co., Cleveland, O. "B. P. S."
St. Louis Surfacer & Paint Co., St. Louis, Mo.
Sapolin Co., 229 E. 42nd, New York, N. Y.
Sonneborn (L.) Sons, 88 Lexington Av., New York, N. Y.
Southwestern Paint & Varnish Co., Kansas City, Mo.
Thomson Wood Finishing Co., Phila., Pa.
Truscon Laboratories, Detroit, Mich.
U. S. Gutta Percha Paint Co., Providence, R. I.
Valentine & Co., 386 4th Av., New York, N. Y. "Valspar"
Woolsey (C. A.) Paint & Color Co., 500 Grand, Jersey City, N. J.

PAINTS, Graphite

Acme White Lead & Color Wks., Detroit, Mich.
Arco Co., Cleveland, O.
Ashland Paint Co., Huntington, W. Va. "Apco"
Becker-Moore Paint Co., St. Louis, Mo.
Billings-Chapin Co., Cleveland, O.
Black Diamond Paint & Varnish Wks., Cincinnati, O. "Watertite"
Buckeye Paint & Varnish Co., Toledo, O.
Cambria Paint & Color Co., Johnstown, Pa.
Certain-teed Products Corp., 100 E. 42nd, New York, N. Y.
Cheesman-Elliot Co., 641 Kent Av., B'klyn, N. Y.
Columbia Refining Co., 90 West, New York, N. Y.
Connors (Wm.) Paint Mfg. Co., Troy, N. Y.
Continental Products Co., Euclid, O.
De Soto Paint & Varnish Co., Memphis, Tenn.
Detroit Graphite Co., Detroit, Mich.
Devoe & Raynolds Co., 1 W. 47th, New York, N. Y.
Dixon (Joseph) Crucible Co., Wayne & Monmouth, Jersey City, N. J.
Du Pont (E. I.) de Nemours & Co., Inc., Phila., Pa.
Eberson-Lindsley Paint Co., St. Louis, Mo.
Fort Pitt Oil & Paint Co., Pittsburgh, Pa.
Foy Paint Co., Inc., Cincinnati (Norwood), O.
French (Samuel H.) & Co., Inc., Phila., Pa.
Hampden Paint & Chemical Co., Springfield, Mass.
Jamestown Paint & Varnish Co., Jamestown, Pa.
Jamestown Wood Finishing Co., Jamestown, N. Y.
Lawrence (W. W.) & Co., Pittsburgh, Pa.
Lincoln Paint & Color Co., Lincoln, Neb.
Lucas (John) & Co., Phila., Pa.
Mathews Paint Co., Los Angeles, Cal.
Miller & Graham, Baltimore, Md.
Moore (Benj.) & Co., 511 Canal, New York, N. Y.
National Roofing Co., Tonawanda, N. Y.
Nice (Eugene E.) Co., Phila., Pa.
Nubian Paint & Varnish Co., Chicago, Ill.
Otley Paint Mfg. Co., Chicago, Ill.
Riesenman Mfg. Co., Franklin, Pa.
Rinald Bros., Phila., Pa.
St. Louis Surfacer & Paint Co., St. Louis, Mo.
St. Paul White Lead & Oil Co., St. Paul, Minn.
Sherwin-Williams Co., Cleveland, O.
Sonneborn (L.) Sons, 88 Lexington Av., New York, N. Y.
Suydam (M. B.) Co., Pittsburgh, Pa.
Thompson & Co., Pittsburgh, Pa.
United States Graphite Co., Saginaw, Mich.
Victor Paint Mfg. Co., East St. Louis, Ill.
Warren Paint Co., Cleveland, O.
Wilhelm (A.) Co., Reading, Pa.

PAINTS, Luminous or Phosphorescent

Devoe & Raynolds Co., 1 W. 47th, New York, N. Y.
Radium Chemical Co., Pittsburgh, Pa. "Luma"

PAINTS, Mill White

Alabastine Co., Grand Rapids, Mich. "Alba-Lite"
Antakwa Co., Chicago, Ill.
Arco Co., Cleveland, O.
Black Diamond Paint & Varnish Wks., Cincinnati, O. "Watertite"
Briggs-Maroney Co., Everett, Mass. "Reflex"
Connors (Wm.) Paint Mfg. Co., Troy, N. Y.
Cook Paint & Varnish Co., Kansas City, Mo.
Debevoise Co., 968 Grand, B'klyn, N. Y.
Denny, Hilborn & Rosenbach, Phila., Pa.
De Soto Paint & Varnish Co., Memphis, Tenn.
Detroit Graphite Co., Detroit, Mich.
Devoe & Raynolds Co., 1 W. 47th, New York, N. Y.
Foy Paint Co., Inc., Cincinnati (Norwood), O.
French (Samuel H.) & Co., Inc., Phila., Pa.
Glidden Co., Cleveland, O. "Daylite"
Goheen Corp., 46 Albert Av., Newark, N. J. "Britenol"
Johnson, Oliver & Co., Providence, R. I.
Knapp (E. J.) & Co., Belding, Mich.
Lowe Bros. Co., Dayton, O.
Masury (J. W.) & Son, 44 Jay, B'klyn, N. Y.
Mathews Paint Co., Los Angeles, Cal.
National Roofing Co., Tonawanda, N. Y.
Nice (Eugene E.) Co., Phila., Pa.
Pecora Paint Co., Phila., Pa.
Pittsburgh Plate Glass Co., Milwaukee, Wis. "Patton's"
Rinald Bros., Phila., Pa.
Rinshed-Gagnier Paint Co., Detroit, Mich.
St. Louis Surfacer & Paint Co., St. Louis, Mo.
Sonneborn (L.) Sons, 88 Lexington Av., New York, N. Y.
Stanley Chemical Co., East Berlin, Conn.
Truscon Laboratories, Detroit, Mich.
U. S. Gutta Percha Paint Co., Providence, R. I. "Barreled Sunlight"
Voltax Co., Bridgeport, Conn.
Vortex Mfg. Co., Cleveland, O.
Wadsworth-Howland Co., Boston, Mass.
Wilhelm (A.) Co., Reading, Pa.
Woolsey (C. A.) Paint & Color Co., 500 Grand, Jersey City, N. J.

PAINTS, Phosphorescent—See Paints, Luminous or Phosphorescent

PAINTS, Prepared—See Paints, Ready Mixed

PAINTS, Radium—See Paints, Luminous or Phosphorescent

PAINTS, Ready Mixed

Acme White Lead & Color Wks., Detroit, Mich.
Adams & Elting Co., Chicago, Ill.
Allentown Mfg. Co., Allentown, Pa.
Alston-Lucas Paint Co., Chicago, Ill.
Bass-Hueter Paint Co., San Francisco, Cal.
Berry Bros., Detroit, Mich. "Berrycraft"
Billings-Chapin Co., Cleveland, O.
Black Diamond Paint & Varnish Wks., Cincinnati, O. "Watertite"
Boydell Bros. White Lead & Color Co., Detroit, Mich.
Bradley & Vrooman Co., Chicago, Ill.
Breinig Bros., 3d & Grand, Hoboken, N. J.
Briggs, Maroney Co., Everett, Mass. "Shawmut"
Buckeye Paint & Varnish Co., Toledo, O.
Burdsal (A.) Co., Capitol Av. & Ga., Indianapolis, Ind.
Cambria Paint & Color Co., Johnstown, Pa.
Carpenter-Morton Co., Boston, Mass. "Carmote"
Certain-teed Products Corp., 100 E. 42nd, New York, N. Y.
Cheesman-Elliot Co., 641 Kent Av., B'klyn, N. Y.
Colonial Wks., 233 Norman Av., B'klyn, N. Y.
Connors (Wm.) Paint Mfg. Co., Troy, N. Y. "American Seal"
Continental Products Co., Euclid, O.
Denny, Hilborn & Rosenbach, Phila., Pa.
De Soto Paint & Varnish Co., Memphis, Tenn.
Detroit Graphite Co., Detroit, Mich.
Detroit White Lead Wks., Detroit, Mich.
Devoe & Raynolds Co., 1 W. 47th, New York, N. Y.
Dixon (Jos.) Crucible Co., Wayne & Monmouth, Jersey City, N. J.
Du Pont (E. I.) de Nemours & Co., Inc., Phila., Pa.
Eagle Paint & Varnish Co., Pittsburgh, Pa.
Eagle Paint & Varnish Wks., Inc., 100 Lexington Av., B'klyn, N. Y.
Eberson-Lindsley Paint Co., St. Louis, Mo.
Elaterite Paint & Mfg. Co., Des Moines, Ia.
Enterprise Paint Mfg. Co., Chicago, Ill.
Foy Paint Co., Inc. (Norwood), Cincinnati, O.
French (Samuel H.) & Co., Inc., Phila., Pa.
Gates (J. M.) Sons Co., Charleston, W. Va.
Glidden Co., Cleveland, O.
Graves (N. Z.) Inc., Philadelphia, Pa.
Hampden Paint & Chemical Co., Springfield, Mass.
Hanna Paint Mfg. Co., Columbus, O.
Hardy Paint & Varnish Co., Toledo, O.
Hazard Lead Wks., Hazardville, Conn.
Heath & Milligan Mfg. Co., Chicago, Ill.
Hirshberg Paint Co., Baltimore, Md.
Indiana Indestructible Paint Co., Chicago, Ill.
Indianapolis Paint & Color Co., Indianapolis, Ind. "Capital City"
Jamestown Paint & Varnish Co., Jamestown, Pa.
Jamestown Wood Finishing Co., Jamestown, N. Y.
Johnson (Oliver) & Co., Providence, R. I.
Keystone Varnish Co., 71 Otsego, B'klyn, N. Y.
King Paint Mfg. Co., 449 Kent Av., B'klyn, N. Y.
Kurfess (J. F.) Paint Co., Louisville, Ky.
Lancaster Paint & Glass Co., Lancaster, Pa.
Lawrence (W. W.) & Co., Pittsburgh, Pa.
Leavitt, Louis, 454 Driggs Av., B'klyn, N. Y.
Lincoln Paint & Color Co., Lincoln, Neb.
Lowe Bros. Co., Dayton, O.
Lucas (John) & Co., Phila., Pa.
McDougall-Butler Co., Buffalo, N. Y.
McMurtry Mfg. Co., Denver, Col.
Manhattan Paint Co., Cleveland, O.
Marietta Paint & Color Co., Marietta, O.
Martin-Senour Co., Chicago, Ill.
Master Mechanics Co., Cleveland, O.
Masury (J. W.) & Son, 44 Jay, B'klyn, N. Y.
Mathews Paint Co., Los Angeles, Cal.
Moore (Benj.) & Co., 511 Canal, New York, N. Y.
Moser (Charles) Co., Cincinnati, O.
Mutual Paint Co., St. Paul, Minn.
National Roofing Co., Tonawanda, N. Y.

AINTS, Ready Mixed (Continued)

rin (T. H.) Co., Pittsburgh, Pa.
tek Bros., Milwaukee, Wis.
tterson-Sargent Co., Cleveland, O. "B. P. S."
aslee-Gaulbert Co., Inc., Louisville, Ky.
ninsular Paint & Varnish Co., Detroit, Mich.
oenix Paint & Varnish Co., Phila., Pa.
oneer Mfg. Co., Cleveland, O.
ttsburgh Plate Glass Co., Milwaukee, Wis. "Plasco"
eder (Oliver) & Son, Baltimore, Md.
dgway-Quest Co., Chicago, Ill.
nished-Gagnier Paint Co., Detroit, Mich.
Paul White Lead & Oil Co., St. Paul, Minn.
lers Paint & Varnish Co., Los Angeles, Cal.
nneborn (L.) Sons, 88 Lexington Av., New York, N. Y.
uthwestern Paint & Varnish Co., Kansas City, Mo.
andard Paint & Lead Wks., Cleveland, O.
andard Plate Glass Co., Pittsburgh, Pa.
anley Chemical Co., East Berlin, Conn.
ockton Paint Co., Stockton, Cal.
omas (A. H.) Paint Co., Waverly, N. Y.
omson Wood Finishing Co., Phila., Pa.
ch Bros., 443 4th Av., New York, N. Y.
opical Paint & Oil Co., Cleveland, O.
uscon Laboratories, Detroit, Mich.
ited States Gutta Percha Paint Co., Providence, R. I.
ne-Calvert Paint Co., St. Louis, Mo.
rcraft Wks., Pottstown, Pa.
ctor Paint Mfg. Co., East St. Louis, Ill.
ltax Co., Bridgeport, Conn.
adsworth-Howland Co., Boston, Mass.
tson (Geo. E.) Co., Chicago, Ill.
therhill (G. D.) & Co., Phila., Pa.
odhouse, Sam'l F., Frankford, Phila., Pa.
olsey (C. A.) Paint & Color Co., 500 Grand, ersey City, N. J.
sser (Wm.) & Co., 516 W. 59th, New York, N. Y.

AINTS, Roof

ne White Lead & Color Wks., Detroit, Mich.
atraz Co., Richmond, Va.
erican Asphalt Paint Co., Chicago, Ill. "Asgum"
akwa Co., Chicago, Ill.
o Co., Cleveland, O.
nstrong Paint & Varnish Wks., Chicago, Ill. Armello," "Armorite," "Armor-Seal," "Boss ainter," "Evry-Use," "Kilbourn," "Pawnee"
land Paint Co., Huntington, W. Va. "Apco Red xide," "Black Mammy"
ber Asphalt Co., Phila., Pa.
rett Co., 40 Rector, New York, N. Y. "Elastium"
kheimer (J. E.) Mfg. Co., Tacoma, Wash. Bermanco"
ings-Chapin Co., Cleveland, O.
dford (James) Co., Wilmington, Del.
inig Bros., 3d & Grand Sts., Hoboken, N. J.
keye Paint & Varnish Co., Toledo, O.
ar Paint & Varnish Co., Phila., Pa. "Showerroof"
bria Paint & Color Co., Johnstown, Pa.
ter Paint Co., Liberty, Ind. "Liberty"
ey (Phillip) Co., Cincinnati, O.
ain-teed Products Corp., 100 E. 42nd, New ork, N. Y.
mical Supply Co., Cleveland, O.
ton Metallic Paint Co., Clinton, N. Y.
-Ferro Paint & Varnish Co., St. Louis, Mo.
nors (Wm.) Paint Mfg. Co., Troy, N. Y.
tinental Products Co., Euclid, O.
oe & Raynolds Co., 1 W. 47th, New York, N. Y.
n (Joseph) Crucible Co., Jersey City, N. J.
bon Paint Co., Nashville, Tenn.
rson-Lindsley Paint Co., St. Louis, Mo.
ott Varnish Co., Chicago, Ill.
tkote Corp., Pershing Sq. Bldg., New York, Y.
ter Paint & Mfg. Co., Winona, Minn.
Pitt Oil & Paint Co., Pittsburgh, Pa.
er (Benjamin) Co., Inc., Phila., Pa. "I. B. M."
Paint Co., Inc., Cincinnati (Norwood), O. Columbian"
s (J. M.) Sons Co., Charleston, W. Va.
den Co., Cleveland, O.
pden Paint & Chemical Co., Springfield, Mass.
na Paint Mfg. Co., Columbus, O.
all Paint Co., Cleveland, O.
th & Milligan Mfg. Chicago, Ill.
ch Roofing Compound Co., Phila., Pa.
ell (C. H.) & Co., Phila., Pa.
ana Indestructible Paint Co., Chicago, Ill.
estown Paint & Varnish Co., Jamestown, Pa.
estown Wood Finishing Co., Jamestown, N. Y.
s Paint Co., Rome, N. Y.
pp (E. J.) & Co., Belding, Mich.
rence (W. W.) & Co., Pittsburgh, Pa.
oln Paint & Color Co., Lincoln, Neb.
v (Jos.) Co., 153 Delancy, Newark, N. J.
s (John) & Co., Phila., Pa.
e Paint Co., Minneapolis, Minn.
in-Senour Co., Chicago, Ill.
er & Graham, Baltimore, Md.
wax Co., 11 W. 42nd, New York, N. Y.
nd City Paint & Color Co., St. Louis, Mo. lorse Shoe"
onal Roofing Co., Tonawanda, N. Y.
n (T. H.) Co., Pittsburgh, Pa.
Varnish Co., Cleveland, O.
Paint Mfg. Co., Chicago, Ill.
erson-Sargent Co., Cleveland, O.
nsular Paint & Varnish Co., Detroit, Mich. arbo Fibre Kote," "Carbo Kote"
Pittsburgh Plate Glass Co., Milwaukee, Wis. "Patton's Sun-Proof"
Prince (Jas. H.) Paint Co., Boston, Mass.
Ricketson Mineral Paint Wks., Milwaukee, Wis.
Robeson Preservo Co., Port Huron, Mich. "Robescote"
Ruberoid Co., 95 Madison Ave., New York, N. Y. "Ruberine"
Rutland Fire Clay Co., Rutland, Vt. "No-Tar-In"
St. Paul White Lead & Oil Co., St. Paul, Minn.
Sherwin-Williams Co., Cleveland, O.
Snydam (M. B.) Co., Pittsburgh, Pa.
Sonneborn (L.) Sons, Inc., 88 Lexington Av., New York, N. Y.
Thomas Mfg. Co., St. Louis, Mo.
Thomas (A. H.) Paint Co., Waverly, N. Y.
Toch Bros., 443 4th Av., New York, N. Y.
Tropical Paint & Oil Co., Cleveland, O.
Truscon Laboratories, Detroit, Mich.
Turnerized Roofing Co., New Orleans, La.
U. S. Gutta Percha Paint Co., Providence, R. I.
Upco Co., Cleveland, O.
Valentine & Co., 386 4th Av., New York, N. Y. "Valspar"
Wadsworth-Howland Co., Boston, Mass.
Watson (H. F.) Co., Erie, Pa.
Western Elaterite Roofing Co., Denver, Col.
Woodhouse, Sam'l F. (Frankford), Phila., Pa.
Woolsey (C. A.) Paint & Color Co., 500 Grand, Jersey City, N. J.

PAINTS, Screen

Foy Paint Co., Inc., Cincinnati (Norwood), O.
McDougall-Butler Co., Buffalo, N. Y.
Mound City Paint & Color Co., St. Louis, Mo. "Horse Shoe"
Pitsburgh Plate Glass Co., Milwaukee, Wis. "Patton's Sun-proof"
Sapolin Co., 229 E. 42d, New York, N. Y.
Valentine & Co., 386 4th Av., New York, N. Y. "Valspar"
Woolsey (C. A.) Paint & Color Co., 500 Grand, Jersey City, N. J.

PAINTS, Wall

Alabastine Co., Grand Rapids, Mich.
Armstrong Paint & Varnish Wks., Chicago, Ill. "Armello," "Armorite," "Armor-Seal," "Boss Painter," "Evry-Use," "Kilbourn," "Pawnee"
Berry Bros., Detroit, Mich., "Berrycraft"
Black Diamond Paint & Varnish Wks., Cincinnati, O. "Watertite"
Campbell Paint & Varnish Co., St. Louis, Mo.
Carbola Chemical Co., Natural Bridge, N. Y. "Hylite"
Carey (Phillip) Co., Cincinnati, O. "Percoproof"
Casein Mfg. Co., 207 E. 42nd, New York, N. Y. (Undercoating)
Continental Products Co., Euclid, O.
Craftex Co., Boston, Mass. "Shadowall"
Devoe & Raynolds, 1 W. 47th, New York, N. Y.
Duralith Corp., 521 Fifth Av., New York, N. Y. "Duraglaze," "Durasand," "Duratex," "Duratint"
Eberson-Lindsley Paint Co., St. Louis, Mo.
Enterprise Paint Mfg. Co., Chicago, Ill.
Foy Paint Co., Inc., Cincinnati (Norwood), O. "Velva-Gloss, "Velva-Seal," "Velatone"
Fox (M. Ewing) & Co., 240 E. 136th, New York, N. Y. "Muralite"
Glidden Co., Cleveland, O. "Speed-Wall"
Hampden Paint & Chemical Co., Springfield, Mass.
Lincoln Paint & Color Co., Lincoln, Neb.
Lowe Bros. Co., Dayton, O.
McDougall-Butler Co., Buffalo, N. Y.
Martin-Senour Co., Chicago, Ill. "Monarch," "Neu-Tone"
Muralo Co., Inc., 570 Richmond Terrace, Staten Island, N. Y.
Nevin (T. H.) Co., Pittsburgh, Pa.
Nice (Eugene E.) Co., Phila., Pa.
Patterson-Sargent Co., Cleveland, O. "Pat-Co"
Pecora Paint Co., Phila., Pa.
Pittsburgh Plate Glass Co., Milwaukee, Wis. "Patton's Sun-Proof," "Wallhide"
Reardon (The) Co., St. Louis, Mo. "Cresto," "Solarite"
Rinald Bros., Philadelphia, Pa.
St. Louis Surfacer & Paint Co., St. Louis, Mo.
Sherwin-Williams Co., Cleveland, O.
Standard Varnish Wks., 433 4th Av., New York, N. Y.
Towns Paint Co., Buffalo, N. Y. "To-Pac-Co"
Truscon Laboratories, Detroit, Mich.
Wilhelm (A.) Co., Reading, Pa.
Woolsey (C. A.) Paint & Color Co., 500 Grand, Jersey City, N. J.

PAINTS, Waterproof

American Asphalt Paint Co., Chicago, Ill. "Valdura"
Goheen Corp., 46 Albert Av., Newark, N. J. "Concrewaltum"
Hydraisial Waterproofing Co., Inc., Phila., Pa.
Pittsburgh Plate Glass Co., Milwaukee, Wis. "Patton's Sun-Proof"
Robeson Preservo Co., Port Huron, Mich. "Preservo"
Truscon Laboratories, Detroit, Mich.

PAINTERS' DUSTERS—See Dusters, Painters'

PAINTERS' HOOKS—See Hooks, Painters'

PAINTERS SUPPLIES—See article desired

PAINTERS' TOOLS—See Tools, Painters' and Decorators'

PAINTING OUTFITS, Children's—See Outfits Painting, Children's

PANCAKE TURNERS—See Turners, Cake

PANEL SAWS—See Saws, Rip

PANIC DOOR BOLTS—See Bolts, Door, Panic

PANS, Baking—See kind desired under Pans

PANS, Bed

United States Stamping Co., Moundsville, W. Va.

PANS, Biscuit

Crescent Foundry Co., St. Louis, Mo. "Ozark"
Katzinger (Edward) Co., Chicago, Ill. "Ekco"
Landers, Frary & Clark, New Britain, Conn.
National Enameling & Stamping Co., Milwaukee, Wis.

PANS, Bread

Aluminum Cooking Utensil Co., New Kensington, Pa. "Wear-Ever"
American Can Co., 230 Park Av., New York, N. Y.
Buckeye Aluminum Co., Wooster, O. "Real Solid"
Budke Stamping Co., Canonsburg, Pa.
Cleveland Metal Products Co., Cleveland, O. "Aladdin"
Crescent Foundry Co., St. Louis, Mo. "Ozark"
Dover Stamping & Mfg. Co., Cambridge 39, Mass.
Fargo Aluminum Co., Taunton, Mass.
Griswold Mfg. Co., Erie, Pa.
Katzinger (Edward) Co., Chicago, Ill. "Ekco"
Kewaskum Aluminum Co., Kewaskum, Wis.
Lalance & Grosjean Mfg. Co., Woodhaven, L. I., N. Y.
Landers, Frary & Clark, New Britain, Conn.
Lidseen (Gustave) 830 S. Central Av., Chicago, Ill.
Maag (August) Co., Baltimore, Md.
National Enameling & Stamping Co., Milwaukee, Wis.
Savory, Inc., 591 Ferry, Newark, N. J.
Schlueter Mfg. Co., St. Louis, Mo.
Wagner Mfg. Co., Sidney, O.
Wheeling Corrugating Co., Wheeling, W. Va.

PANS, Cake

Aluminum Cooking Utensil Co., New Kensington, Pa. "Wear-Ever"
Aluminum Goods Mfg. Co., Manitowoc, Wis. "Mirro." "Viko"
Aluminum & Metal Products Corp., Buffalo, N. Y. "Magic"
American Aluminum Mfg. Co., Lemont, Ill. "American Maid"
American Can Co., 230 Park Av., New York, N. Y. "Canco"
Atlanta Stove Works, Atlanta, Ga. "Gem"
Atlas Tinware Co., 2472 3rd Av., New York, N. Y. "Sure Out"
Bellaire Enamel Co., Bellaire, O. "Beco"
Chapman, C. A., Geneva, N. Y.
Corning Glass Wks., Corning, N. Y. "Pyrex"
Crescent Foundry Co., St. Louis, Mo. "Ozark"
Fargo Aluminum Co., Taunton, Mass.
Geuder, Paesche & Frey Co., Milwaukee, Wis.
Hamilton Metal Products Co., Hamilton, O "Climax"
Illinois Pure Aluminum Co., Lemont, Ill. "American Maid"
Katzinger (Edward) Co., Chicago, Ill. "Ekco Loose Bottom," "Slidex," "Swans Down," "Vanity"
Kinkel Mfg. Co., Inc., Buffalo, N. Y. (Pie)
Lalance & Grosjean Mfg. Co., Woodhaven, L. I., N. Y.
Landers, Frary & Clark, New Britain, Conn.
Mary Ann Mfg. Co., Lancaster, Pa.
National Enameling & Stamping Co., Milwaukee, Wis. "Nesco," "Removo"
Porter (C. B.) Co., Phila., Pa.
Savory, Inc., 591 Ferry, Newark, N. J.
Stratton & Terstegge Co., Inc., Mfg. Div., Louisville, Ky. "Falls City"
Wheeling Corrugating Co., Wheeling, W. Va.

PANS, Cookie—See Bakers, Cookie

PANS, Cracker—See Pans, Cake

PANS, Dish

(See also under Ware)

Aluminum Goods Mfg. Co., Manitowoc, Wis. "Mirro," "Viko"
American Can Co., 230 Park Av., New York, N. Y.
Atlantic Stamping Co., Rochester, N. Y.
Atlas Tinware Co., 2472 3rd Av., New York, N. Y.
Behrens (H.) Mfg. Co., Winona, Minn.
Bellaire Enamel Co., Bellaire, O. "Beco," "Dish Maid"
Columbian Enameling & Stamping Co., Terre Haute, Ind. "Dishmaster"
Federal Enameling & Stamping Co., McKees Rocks, Pa. "Great Emancipator"
Illinois Pure Aluminum Co., Lemont, Ill. "American Maid"
Landers, Frary & Clark, New Britain, Conn.
Lawson (F. H.) Co., Cincinnati, O. "Lawco"
National Enameling & Stamping Co., Milwaukee, Wis. "Nesco"

PANS, Dish (Continued)

Savory, Inc., 591 Ferry, Newark, N. J.
Schlueter Mfg. Co., St. Louis, Mo.
Stratton & Terstegge Co., Inc., Mfg. Div., Louisville, Ky. "Falls City"
Stuber & Kuck Co., Peoria, Ill.
U. S. Stamping Co., Moundsville, W. Va.
Vollrath Co., Sheboygan, Wis.
West Bend Aluminum Co., West Bend, Wis.

PANS, Drip

Aldrich Mfg. Co., Buffalo, N. Y.
All-Steel-Equip Co., Aurora, Ill.
Budke Stamping Co., Canonsburg, Pa.
Connecticut Fan Co., Hartford, Conn.
Dover Stamping & Mfg. Co., Cambridge, Mass.
Enamel Products Co., Cleveland, O. "Tepco"
Graver Corp., East Chicago, Ill.
Hibbs, E. A., Phila., Pa.
Ingram-Richardson Mfg. Co., Beaver Falls, Pa.
Katzinger (Edward) Co., Chicago, Ill. "Black Beauty"
King Stove & Range Co., Sheffield, Ala.
Koven (L. O.) & Bro., Ogden Av., Jersey City, N. J.
Kraft, A. C., Chicago, Ill.
Kreamer (A.), Inc., 307 Kent Av., B'klyn, N. Y.
Landers, Frary & Clark, New Britain, Conn.
Lyon Metallic Mfg. Co., Aurora, Ill.
Mosheik (P.) & Son, Chicago, Ill.
National Enameling & Stamping Co., Milwaukee, Wis.
New Britain Mach. Co., New Britain, Conn.
Northwest Metal Products, Inc., Seattle, Wash. "Norwesco"
Parkersburg Iron & Steel Co., Parkersburg, W. Va. "Acme"
Phillips & Buttorff Mfg. Co., Nashville, Tenn.
Ray (Geo. A.) Mfg. Co., Buffalo, N. Y.
Rochester Can Co., Rochester, N. Y. "Iron Horse"
Savory, Inc., 591 Ferry, Newark, N. J.
Scott Roofing & Mfg. Co., Cincinnati, O.
Sexton Can Co., Everett, Mass.
Tippett & Wood, Phillipsburg, N. J.
U. S. Stamping Co., Moundsville, W. Va.
Vitreous Enameling Co., Grant Av., Cleveland, O.
Wheeling Corrugating Co., Wheeling, W. Va.
Youngstown Pressed Steel Co., Warren, O.

PANS, Dust

American Can Co., 230 Park Av., New York, N. Y.
American Standard Mfg. Co., Chicago, Ill.
Behrens (H.) Mfg. Co., Winona, Minn.
Dover Stamping & Mfg. Co., Cambridge, Mass.
Fernald Mfg. Co., North East, Pa. "Fernald Sweeping Pan"
Foster Sheet Metal Co., Springfield, Ill.
Fries' (Geo.) Sons, Phila., Pa.
Geuder, Paeschke & Frey Co., Milwaukee, Wis. "Cream City"
Hoeft & Co., Chicago, Ill. "Moe's"
Kreamer (A.), Inc., 307 Kent Av., B'klyn, N. Y.
Michigan Metal Products Co., Battle Creek, Mich.
National Enameling & Stamping Co., Milwaukee, Wis.
New Delphos Mfg. Co., Delphos, O.
Patent Novelty Co., Inc., Fulton, Ill. "Fulton," "Janitor," "Kitchenette," "Patsy-Prim," "Peggy Prim," "Polly Prim"
Pressed Metal Products Co., Cleveland, O.
Rochester Can Co., Rochester, N. Y. "Iron Horse"
Savory, Inc., 591 Ferry, Newark, N. J.
Schlueter Mfg. Co., St. Louis, Mo. "De Luxe"
Washburn Company, Worcester, Mass.
Wheeling Corrugating Co., Wheeling, W. Va.
Yearke Metal Products Co., Buffalo, N. Y.

PANS, Frying

(See also Spiders and Skillets; also under Ware)

Aluminum Cooking Utensil Co., New Kensington, Pa. "Wear-Ever"
Aluminum Goods Mfg. Co., Manitowoc, Wis. "Mirro," "Viko"
Aluminum & Metal Products Co., Buffalo, N. Y. "Magic"
American Aluminum Mfg. Co., Lemont, Ill. "American Maid"
American Aluminum Ware Co., 374 Jeliff Av., Newark, N. J. "Peerless"
American Gas Mach. Co., Inc., Albert Lea, Minn. "Kampkook" (Folding)
Bellaire Enamel Co., Bellaire, O. "Beco"
Buckeye Aluminum Co., Wooster, O. "Real Solid"
Crescent Foundry Co., St. Louis, Mo. "Ozark"
Doylestown Aluminum Ware Co., Doylestown, Pa.
Fargo Aluminum Co., Taunton, Mass.
Gray & Dudley Co., Nashville, Tenn.
Griswold Mfg. Co., Erie, Pa.
Health-Maid, Inc., Cleveland, O.
Hodges (Wm.) Co., Phila., Pa.
Illinois Pure Aluminum Co., Lemont, Ill. "American Maid"
Jones Hollow Ware Co., Baltimore, Md.
Kewaskum Aluminum Co., Kewaskum, Wis.
Lalance & Grosjean Mfg. Co., Woodhaven, L. I., N. Y. "Cold Handle"
Landers, Frary & Clark, New Britain, Conn.
Marietta Hollow-Ware & Enameling Co., Marietta, Pa.
National Enameling & Stamping Co., Milwaukee, Wis. "Nesco"
New England Enameling Co., Middletown, Conn. "Wont Burn"
New York Stamping Co., N. 11th Av. & Berry, B'klyn, N. Y. "Acme," "Brooklyn," "Empire"
Northwestern Stamping Co., Burlington, Ia. "Hudson's"
Polar Ware Co., Sheboygan, Wis. (Stainless Steel)
Ray (Geo. A) Mfg. Co., Buffalo, N. Y.
Republic Metalware Co., Buffalo, N. Y.
Revere Brass & Copper So., 230 Park Av., New York, N. Y.
Royal Mfg. Co., Phila., Pa. "Coffee"
Savory, Inc., 591 Ferry, Newark, N. J.
Standard Aluminum Co., Two Rivers, Wis.
United States Stamping Co., Moundsville, W. Va.
United Steel & Wire Co., Battle Creek, Mich.
Vallroath Co., Sheboygan, Wis.
Wagner Mfg. Co., Sidney, O.
Waterman, Arthur, Boston, Mass. "Squareg"
West Bend Aluminum Co., West Bend, Wis.
Wheeling Corrugating Co., Wheeling, W. Va. "Regal," "Royal"

PANS, Muffin—See Pans, Cake

PANS, Pudding

Aluminum & Metal Products Corp., Buffalo, N. Y. "Magic"
American Aluminum Mfg. Co., Lemont, Ill. "American Maid"
Atlantic Stamping Co., Rochester, N. Y.
Bellaire Enamel Co., Bellaire, O. "Beco"
Columbian Enameling & Stamping Co., Terre Haute, Ind.
Fargo Aluminum Co., Taunton, Mass.
Federal Enameling & Stamping Co., McKees Rocks, Pa. "Old Holland"
Illinois Pure Aluminum Co., Lemont, Ill. "American Maid"
Katzinger (Edward) Co., Chicago, Ill. "Ekco"
Landers, Frary & Clark, New Britain, Conn.
National Enamel & Stamping Co., Milwaukee, Wis.
Stratton & Terstegge Co., Inc., Mfg. Div., Louisville, Ky. "Falls City" (Tin)
United States Stamping Co., Moundsville, W. Va.

PANS, Refrigerator

American Can Co., 230 Park Av., New York, N. Y.
Atlantic Stamping Co., Rochester, N. Y.
Atlas Tinware Co., 2472 3rd Av., New York, N. Y.
Gem Stamped Steel Co., Chelsea, Mass.
Kraft, A. C., Chicago, Ill.
Kreamer (A.), Inc., 307 Kent Av., B'klyn, N. Y.
Lawson (F. H.) Co., Cincinnati, O. "Lawco"
Lisk Mfg. Co., Canandaigua, N. Y.
National Enameling & Stamping Co., Milwaukee, Wis.
National Refrigerator Co., St. Louis, Mo.
Reeves Mfg. Co., Dover, O.
Rochester Can Co., Rochester, N. Y. "Iron Horse"
Savory, Inc., 591 Ferry, Newark, N. J.
Schlueter Mfg. Co., St. Louis, Mo.
Stuber & Kuck Co., Peoria, Ill.
United States Stamping Co., Moundsville, W. Va.
Wheeling Corrugating Co., Wheeling, W. Va.

PANS, Roasting—See Roasters

PAPER ABRASIVE—See Paper, Coated, Sand, Garnet, Aluminous, Etc.

PAPER BAGS—See Bags, Paper

PAPER BALERS—See Balers, Paper

PAPER BOXES—See Boxes, Paper, Folding

PAPER, Building—See Paper, Roofing, Sheathing and Building

PAPER CAP PISTOLS—See Pistols, Toy

PAPER CLIPS and FASTENERS—See Clips and Fasteners, Paper

PAPER, Coated, Sand, Garnet, Aluminous, Etc.

(See also Abrasives, Coated)

Armour Sandpaper Works, Chicago, Ill.
Behr-Manning Corp., Troy, N. Y.
Carborundum Co., Niagara Falls, N. Y.
Clover Mfg. Co., Norwalk, Conn.
Minnesota Mining & Mfg. Co., St. Paul, Minn.

PAPER CUPS—See Cups, Paper

PAPER CUT-OUTS—See Cut-Outs, Paper

PAPER CUTTERS—See Cutters, Paper, Roll

PAPER DISHES—See Dishes, Paper

PAPER DOILIES—See Paper, Lace

PAPER DOLLS—See Dolls, Paper

PAPER FLOWER POTS—See Pots, Flower, Paper

PAPER, Fly

Kimberly-Clark Co., Neenah, Wis.
Massillon Paper Co., Massillon, O.
Munroe Falls Paper Co., Massillon, O.
National Fly Paper Co., Kenosha, Wis.
Tanglefoot Co., Grand Rapids, Mich.

PAPER GARLANDS—See Garlands, Paper

PAPER HANGERS BRUSHES—See Brushes, Paper Hangers'

PAPER HANGERS' KNIVES—See Knives, Paper Hangers'

PAPER HANGERS' SHEARS—See Shears, Paper Hangers'

PAPER HANGERS' TABLES—See Tables, Paper Hangers'

PAPER HATS—See Hats, Paper

PAPER, Household, Cleaning

Kalamazoo Vegetable Parchment Co., Kalamazoo, Mich. "C P"

PAPER, Lace

American Lace Paper Co., Milwaukee, Wis.
American Novelty Paper Co., Saugerties, N. Y.
American Tissue Mills, Holyoke, Mass.
Gottlieb (A.) & Son Co., 54 S. 2nd, B'klyn, N. Y.
Hyman (L.) & Sons, 102 Prince, New York, N. Y. (Porcelain Enamel)
Kalamazoo Vegetable Parchment Co., Kalamazoo, Mich. "Kup"
Kimberly-Clark Co., Neenah, Wis.
Milwaukee Lace Paper Co., Milwaukee, Wis. "Milpaco"
Reliance Shelf Paper Co., Phila., Pa.
Royal Lace Paper Wks., 842 Lorimer, B'klyn, N. Y.

PAPER NAPKINS—See Napkins, Paper

PAPER, Oiled

Bryant Paper Co., Kalamazoo, Mich.
Chemical Paper Mfg. Co., Holyoke, Mass.
Cleveland Waterproof Paper Co., Allen Ct.—Rock River, Cleveland, O. "Utility"
Dexter (C. H.) & Sons, Windsor Locks, Conn.
Hartford City Paper Co., Hartford City, Ind.
Union Paper & Twine Co., Cleveland, O.

PAPER PAILS—See Pails, Paper

PAPER PENCILS—See Pencils, Paper

PAPER PLATES—See Dishes, Paper

PAPER, Roofing, Sheathing and Building

(See also Sheathing, Building)

American Asphalt Roof Corp., Kansas City, Mo.
American Tar Products Co., Pittsburgh, Pa.
Andrews (John T.) & Co., Inc., Penn Yan, N. Y.
Angier Corp., Framingham, Mass. "Brownskin"
Barber Asphalt Co., Phila., Pa. "Genasco"
Barrett Co., 40 Rector, New York, N. Y. "B. B.," "Black Diamond," "Black Shield," "Jack Frost"
Beloit Box Board Co., Beloit, Wis.
Bird & Son, Inc., East Walpole, Mass. "Neponset"
Cabot (Samuel), Inc., Boston, Mass.
Certain-teed Products Corp., 100 E. 42nd, New York, N. Y.
Cleveland-Akron Bag Co., Cleveland, O. "Carbo"
Ehret Magnesia Mfg. Co., Phila., Pa.
Federal Asbestos Co., Milwaukee, Wis.
Fleming (Jno. G.) & Son, Dallas, Tex.
Flintkote Corp., Pershing Sq. Bldg., New York, N. Y.
Fox Paper Co., Lockland, O.
Hollingsworth & Vose Co., Boston, Mass.
Johns-Manville, Inc., Madison Av. & 41st, New York, N. Y.
Kingston Paper Co., Little Falls, N. Y.
Klauer Mfg. Co., Dubuque, Iowa.
Lang (John) Paper Co., Phila., Pa.
Leslie (John) Paper Co., Minneapolis, Minn.
Lewis (F. J.) Mfg. Co., Chicago, Ill.
Lincoln (L.) & Co., North Dighton, Mass.
Lockport Paper Co., Lockport, N. Y.
Los Angeles Paper Mfg. Co., Los Angeles, Cal.
MacSim-Bar Paper Co., Otsego, Mich.
Mullen Bros. Paper Co., St. Joseph, Mich.
Munroe Felt & Paper Co., Boston, Mass.
Nelson (B. F.) Mfg. Co., Minneapolis, Minn.
Newton Paper Co., Holyoke, Mass. "Elephant"
Paraffine Co., San Francisco, Cal.
Richardson Paper Co., Lockland, O.
Roberts (John) & Son, Waltham, Mass.
Ruberoid Co., 95 Madison Av., New York, N. Y.
Safepack Mills, Boston, Mass. "Safekote"
Schmidt & Ault Paper Co., York, Pa. "Codorus"
Simplex Paper Co., Palmyra, Mich.
Sisalcraft Co., Chicago, Ill.
Souther (E. E.) Iron Co., St. Louis, Mo.
Tar Products Corp., Providence, R. I.
Union Mills Paper Mfg. Co., New Hope, Pa.
Watson (H. F.) Co., Erie, Pa.

PAPER, SAND, Waterproof—See Paper, Coated, Sand, Garnet, Aluminous, Etc.

PAPER Sheathing—See Paper, Roofing, Sheathing and Building

PAPER, Shelf—See Paper, Lace

PAPER TARGETS—See Targets, Paper

PAPER, Toilet

A. P. W. Paper Co., Albany, N. Y.
Adams Paper Co., Wells River, Vt.
American Standard Mfg. Co., Chicago, Ill.
Beebe Mills, Inc., Baldwinsville, N. Y.
Cole (W. A.) Paper Co., Putney, Vt. "Eagle Mills"
Continental Paper & Bag Mills, 220 E. 42nd, New York, N. Y.
Crown-Zellerbach Corp., San Francisco, Cal. "Zalo," "Zee"
Diem & Wing Paper Co., Cincinnati, O.
Fisk Paper Co., Hinsdale, N. H.
Foley Paper Co., Springfield, Mass.
Fort Howard Paper Co., Green Bay, Wis.
Hoberg Paper & Fibre Co., Green Bay, Wis.
Hollingsworth, J. H., Phoenix, N. Y.
International Paper Co., 100 E. 42nd, New York, N. Y.
Johnson (Geo. T.) Co., Boston, Mass.
Morgan Tissue Paper Co., Springfield, Mass.
Mumford Paper Mill, Mumford, N. Y.
National Paper Co., Atlantic, Ga.
Northern Paper Mills, Green Bay, Wis.
Oswego River Paper Mills, Phoenix, N. Y.
Paper Mfg. Co., Phila., Pa.
Phoenix Toilet & Paper Mfg. Co., Phoenix, N. Y.
Robertson (G. A.) & Co., Hinsdale, N. H.
Sauquoit Paper Co., New Hartford, N. Y.
Scott Paper Co., Chester, Pa. "Waldorf"
Three Rivers Paper Co., Phoenix, N. Y.
Troy Paper Cord, Troy, N. Y.
Victoria Paper Mills Co., Fulton, N. Y.
Wonder Fold Toilet Paper Co., Leominster, Mass.
Wortendyke Mfg. Co., Richmond, Va.

PAPER TOWELS—See Towels, Paper

PAPER, Wall

Bailey Wall Paper Co., Cleveland, O.
Bosch (Henry) Co., Chicago, Ill.
Campbell Wall Paper Co., Hackensack, N. J.
Joliet Wall Paper Mills, Joliet, Ill.
Maxwell (S. A.) Co., Inc., Chicago, Ill.
Plattsburg Wall Paper Co., Plattsburg, N. Y.
Thibaut, Inc. (Richard E.), 24 W. 40th, New York, N. Y.

PAPER, Wax

American Tissue Mills, Holyoke, Mass.
Bennington Wax Paper Co., Bennington, Vt.
Cleveland Waterproof Paper Co., Allen Ct.—Rocky River, Cleveland, O. "Utility"
Coated Paper Products Co., Minerva, O. "Minerva"
Davis (R. B.) Co., Hoboken, N. J. "Cut-Rite"
Hamersley Mfg. Co., 110 E. 42nd, New York, N. Y.
Hoffman (R. S.) Co., Baldwinsville, N. Y.
Hollingsworth & Whitney Co., Boston, Mass.
Japanese Tissue Mills, Holyoke, Mass.
Kalamazoo Vegetable Parchment Co., Kalamazoo, Mich. "Kup"
McDowell Paper Mills, Phila., Pa.
Marathon Paper Mills Co., Rothschild, Wis.
Nashua Gummed & Coated Paper Co., Nashua, N. H.
National Waterproofing Co., Philadelphia, Pa.
National Wax & Paper Mfg. Co., 1071 6th Av., New York, N. Y.
Newark Paraffin & Parchment Paper Co., 1071 6th Av., New York, N. Y.
Ohio Wax Paper & Printing Co., Columbus, O.
Orono Pulp & Paper Co., Bangor, Me.
Paper Goods Mfg. Co., Pittsburgh, Pa.
Ralston (W.) & Co., Niagara Falls, N. Y.
Rapinwax Paper Co., St. Paul, Minn.
Robertson Paper Co., Bellows Falls, Vt.
Seaman Paper Co., Chicago, Ill.
Sterling Waxed Paper Mfg. Co., 245 South, Newark, N. J.
Union Paper & Twine Co., Cleveland, O.
Union Waxed & Parchment Paper Co., Hamburg, N. J.
Waterproof Paper & Board Co., Cincinnati, O.
West Carrollton Parchment Co., West Carrollton, O.

PAPER, Wrapping

American Tissue Mills Holyoke, Mass. (Christmas)
Andrews (John T.) & Co., Inc., Penn Yan, N. Y.
Continental Paper & Bag Corp., 220 E. 42nd, New York, N. Y.
International Paper Co., 220 E. 42nd, New York, N. Y.
Kalamazoo Paper Co., Kalamazoo, Mich.
Leslie (John) Paper Co., Minneapolis, Minn.
Orono Pulp & Paper Co., Bangor, Me.
Thilmany Pulp & Paper Co., Kaukauna, Wis. "Orangeweave"
Tuttle Press Co., Appleton, Wis. (Christmas)
White Tar Co. of New Jersey, Inc., Kearny, N. J. (Cedarized)

PAPERS, Abrasive—See Paper, Coated, Sand, Garnet, Aluminous, Etc.

PARCEL POST MAIL BOXES—See Boxes, Mail, Rural, Parcel Post

PARCEL POST SCALES—See Scales, Parcel Post

PARCEL POST TWINE—See Twine, Parcel Post

PARERS, Fruit and Vegetable

Acme Metal Goods Mfg. Co., 2 Orange, Newark, N. J. (Stainless)
American Mach'y Co., Phila., Pa.
Anstice (Josiah) & Co., Rochester, N. Y. "Sterling"
Boutell Mfg. Co., Rochester, N. Y. "Rival," "Triumph," "Triumph Simplis Feeder"
Cattaraugus Cutlery Co., Little Valley, N. Y.
Goodell Co., Antrim, N. H. "Bay State," "Bonanza," "Granite State," "Leader," "Power," "Success," '98 Turntable," "White Mountain"
Hamblin & Russell Mfg. Co., Worcester, Mass. "O. K.," "Quick," "Universal"
Houchin (Thos. W.) Co., 309 9th, Jersey City, N. J.
Hudson Paper Co., Leominster, Mass. "Daisy," "Little Star," "Rocking Table"
Parker Wire Goods Co., Worcester, Mass.
Penn Hdw. Co., Reading, Pa. "Pen-Perfect"
P. M. C. Mfg. Corp., Kingston, N. Y.
Premier Machy. Co., Oakland, Cal.
Reading Hardware Co., Reading, Pa.
Royal Mfg. Co., Phila., Pa.
Savory, Inc., 591 Ferry, Newark, N. J.
Sayre (L. A.) Co., 332 Mulberry, Newark, N. J. "Rotary Knife"
Sinclair-Scott Co., Baltimore, Md.
White (Ira F.) & Son Co., Bloomfield, N. J. "California"

PARERS, Vegetable—See Parers, Fruit and Vegetable

PARING KNIVES—See Knives, Kitchen, Paring, Etc.

PARIS GREEN
(See also Insecticides)

Ansbacher-Siegle Corp., 50 Union Sq., New York, N. Y.
Bowker Chemical Co., 419 Fourth Av., New York, N. Y.
Chipman Chemical Eng'g Co., Bound Brook, N. J.
Devoe & Raynolds Co., 1 W. 47th, New York, N. Y.
Harshaw, Fuller & Goodwin Co., Cleveland, O.
Sherwin-Williams Co., Cleveland, O.
Pfeiffer Color Co., 99 John, New York, N. Y.

PARK and LAWN BENCHES—See Benches, Park and Lawn

PARKING LIGHTS—See Lights, Parking

PARLOR BALLS—See Balls, Parlor

PARLOR DOOR HANGERS—See Hangers, Door

PARLOR FURNACES—See Stoves & Ranges, Coal & Wood

PARTITION BRACES—See Braces, Partition

PARTITION RAILING, Wire—See Railing, Wire, Partition

PARTITIONS, Glass

Duluth Show Case Co., Duluth, Minn. (Display Tables)
Heller (W. C.) & Co., Montpelier, O. (Display Tables)
Mesker Bros. Iron Co., St. Louis, Mo.

PASTE BRUSHES—See Brushes Paste

PASTE FILLERS—See Fillers, Wood

PASTES, Dry

Fuller (H. B.) Co., St. Paul, Minn.
Miner-Hillard Miling Co., Wilkes-Barre, Pa. "Jiffy" (Wall Paper)
Patent Cereals Co., Geneva, N. Y. "Rex"
Reliable Paste Co., Chicago, Ill. "Atlas"
Sisk (R. J.) Co., New London, Conn.
Wells Adhesive Co., Columbus, O. "We-Co" (Wall Paper)

PASTES, Emery

Durkee-Atwood Co., Minneapolis, Minn.
Jackson Mills Emery Co., Phila., Pa.
Munning (A. P.) & Co., Matawan, N. J.
Zip Abrasive Co., Cleveland, O.

PASTES, Grinding—See Pastes, Emery

PASTES, Hand—See Soaps and Pastes, Hand

PASTES, Soldering—See Flux, Soldering

PASTES, WOOD—See Wood Pastes

PASTRY BOARDS—See Boards, Pastry, Etc.

PATCHES, Cooking Utensil Repair

Collette Mfg. Co., Amsterdam, N. Y. "Mendets"

PATCHES, Screen

Beaver Mfg. Co., 625 N. 3rd, Newark, N. J. "Jiffy"

PATCHING PLASTER
(See also Plaster of Paris)

Alabastine Co., Grand Rapids, Mich. "Patch-It"
Muralo Co., Inc., 570 Richmond Terrace, Staten Island, N. Y.
Norristown Asbestos Mfg. Co., Boston, Mass. "Mecco"
Pecora Paint Co., Phila., Pa.
Reardon (The) Co., St. Louis, Mo.
Reliable Paste Co., Chicago, Ill.
Rutland Fire Clay Co., Rutland, Vt.
Sheffield Bronze Powder & Stencil Co., 5817 Kinsman Rd., Cleveland, O.
Wells Adhesive Co., Columbus, O. "We-Co"

PATTERN MAKERS' BLADE HANDLES—See Handles Blade, Pattern Makers' and Shirt Cutters'

PATTERN MAKERS' BLADES—See Blades, Pattern Makers and Shirt Cutters'

PATTERNMAKERS' HAMMERS—See Hammers, Patternmakers'

PATTERN MAKERS' PINCH DOGS—See Dogs, Pinch

PATTERN MAKERS' SAWS—See Saws, Pattern Makers

PATTERN MAKERS' TOOLS—See Tools, Pattern Makers'

PAY CHECKS—See Checks, Brass, Time, Tool and Pay

PEASHELLERS—See Shellers, Pea

PEACH BASKETS—See Baskets, Fruit, Vegetable, Etc.

PEACH PARERS—See Parers, Fruit and Vegetable

PEACH STONERS—See Stoners, Cherry, Peach, Etc.

PEAVIES—See Hooks, Cant

PEAVY HANDLES—See Handles, Hickory

PEDAL CARS—See Cars, Children's, Walking, Hand or Foot Power

PEDALS, Bicycle

Chicago Cycle Supply Co., Chicago, Ill.
Majestic Mfg. Co., Worcester, Mass.
Miami Cycle & Mfg. Co., Middletown, O.
Persons-Majestic Mfg. Co., Worcester, Mass.
Standard Co., Torrington, Conn.
Torrington Co., Torrington, Conn.
Westfield Mfg. Co., Westfield, Mass.

PEELERS, Orange and Grapefruit

Burns Mfg. Co., Syracuse, N. Y.
Vaughan Novelty & Mfg. Co., Chicago, Ill. "No-Chip"

PEG AWLS—See Awls, Harness, Etc.

PEGS, Tennis

Reach (A. J.) Wright & Ditson, Inc., Phila., Pa.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.

PEIN HAMMERS—See Hammers, Machinists'

PENCIL SHARPENERS—See Sharpeners, Pencils

PENCILS, Carpenters'

Blaisdell Pencil Co., Phila., Pa.
Dixon (Jos.) Crucible Co., Wayne & Monmouth, Jersey City, N. J.
Eagle Pencil Co., 703 E. 13th, New York, N. Y. "Sun"
Erickson (C. E.) & Co., Des Moines, Ia. (Adv.)
Faber, A. W., Newark, N. J.
Faber, Eberhard, 39 Greenpoint Av., B'lyn, N. Y.

PENCILS, Lumber—See Pencils, Carpenters'

PENCILS, Paper

American Crayon Co., Sandusky, O. "Old Faithful"
American Lead Pencil Co., Hoboken, N. J.
Blaisdell Pencil Co., Phila., Pa.
Conklin Pen Mfg. Co., Toledo, O. "Endura"
Dixon (Jos.) Crucible Co., Wayne & Monmouth, Jersey City, N. J.
Erickson (C. E.) & Co., Des Moines, Ia. (Adv.
Laughlin Mfg. Co., Detroit, Mich. (Mechanical)

PENDANTS, Luminous, Radium

Luminite Corp., 53 Johnson, Newark, N. J.
Schwabbe (A.) & Co., Chicago, Ill.
U. S. Radium Corp., 535 Pearl, New York, N. Y. "Undark"

PENNANTS
(See also Flags)

Annin & Co., 85 5th Av., New York, N. Y.
Beverly Mfg. Co., Staunton, Va.
Bradford & Co., St. Joseph, Mich.
Chicago Pennant Co., Chicago, Ill.
Emerson Mfg. Co., Inc., San Francisco, Cal.
Goodell (Jas. M., Jr.), Inc., Chicago, Ill.
Hoffman-Corr Mfg. Co., Phila., Pa.
Mortensen (Sam'l) & Co., Chicago, Ill.
"Old Glory" Mfg. Co., Chicago, Ill.
Pacific Pennant & Novelty Co., Los Angeles, Cal.
Premax Products, Inc., Niagara Falls, N. Y.
Stall & Dean Mfg. Co., Brockton, Mass.
Sternthal (F.) Co., Chicago, Ill.
Triangle Pennant Co., Chicago, Ill.

PENS, Bull and Cow

Clay Equipment Corp., Cedar Falls, Ia.
Drew Line Co., Fort Atkinson, Wis.
Franklin Equipment Co., Monticello, Ia.
Glor Bros. & Willis Mfg. Co., Attica, N. Y. "New Modern"
Hall Mfg. Co., Cedar Rapids, Ia.
Harris Mfg. Co., Salem, O.
Hudson (H. D.) Mfg. Co., Chicago, Ill. "Libbey," "Right Way"
James Mfg. Co., Fort Atkinson, Wis.
Lincoln Barn Equipment Co., Lincoln, Neb.
Louden Mchy. Co., Fairfield, Ia.
Milwaukee Hay Tool Co., Milwaukee, Wis. "Leader"
Mitchell Mfg. Co., Milwaukee, Wis.
Ney Mfg. Co., Canton, O.
Porter (J. E.) Co., Ottawa, Ill.
Rassmann (F.) Mfg. Co., Beaver Dam, Wis. "Simplex"
Ricker Mfg. Co., Rochester, N. Y. "Rochester"
Starline, Inc., Harvard, Ill.
West End Equipment Co., West Bend, Wis.
Western Steel & Iron Wks., De Pere, Wis.

PENS, Hog

Clay Equipment Corp., Cedar Falls, Ia.
Drew Line Co., Fort Atkinson, Wis.
Hall Mfg. Co., Cedar Rapids, Ia.
Hudson (H. D.) Mfg. Co., Chicago, Ill.

PEPPER SHAKERS—See Shakers, Salt and Pepper

PERAMBULATORS—See Carriages, Baby

PERCOLATOR HANDLES—See Handles, Percolator

PERCOLATOR TOPS—See Tops, Percolator

PERCOLATORS, Coffee

Aluminum Goods Mfg. Co., Manitowco, Wis. "Mirro," "Viko"
Aluminum Products Co., La Grange, Ill. "Lifetime"
American Aluminum Mfg. Co., Lemont, Ill. "American Maid"
American Aluminum Ware Co., 374 Jeliff Av., Newark, N. J. "Peerless"
Ameritan Copper & Brass Wks., Cincinnati, O.
Atlantic Stamping Co., Rochester, N. Y.
Brush Pottery Co., Zanesville, O. "Gardiner"
Buckeye Aluminum Co., Wooster, O. "Real Solid"
Buffalo Lamp & Mfg. Co., Inc., Buffalo, N. Y.
Buffalo Mfg. Co., Buffalo, N. Y.
Chicago Flexible Shaft Co., Chicago, Ill. "Sunbeam"
Cleveland Metal Products Co., Cleveland, O. "Aladdin"
Columbian Enameling & Stamping Co., Terre Haute, Ind. "Cesco," "Porcelite"
Doylestown Aluminum Ware Co., Doylestown, O.
Eastern Aluminum Co., Boston, Mass. "Signet"
Fargo Aluminum Co., Taunton, Mass. "Hygienic"
Federal Enameling & Stamping Co., McKees Rocks, Pa.
Fry (H. C.) Glass Co., Rochester, Pa. (Glass)
Geuder, Paeschke & Frey Co., Milwaukee, Wis.
Griswold Mfg. Co., Erie, Pa.
Illinois Pure Aluminum Co., Lemont, Ill. "American Maid"
International Silver Co., Meriden, Conn.
Justrite Mfg. Co., Chicago, Ill.
Kewaskum Aluminum Co., Kewaskum, Wis.
Landers, Frary & Clark, New Britain, Conn. "Universal"
Leyse Aluminum Co., Kewaukee, Wis. "Priscilla"
Lisk Mfg. Co., Canandaigua, N. Y.
Manning, Bowman & Co., Meriden, Conn.
National Enameling & Stamping Co., Milwaukee, Wis.
New England Enameling Co., Middletown, Conn. "Ideal"
New York Stamping Co., N. 11th & Berry Sts., B'klyn, N. Y. "Empress"
Polar Ware Co., Sheboygan, Wis.
Prisk (Wm. M.) & Sons Mfg. Co., Yalesville, Conn.
Revere Brass & Copper Co., 230 Park Av., New York, N. Y.
Robeson-Rochester Corp., Rochester, N. Y. "Royal Rochester"
Rome Mfg. Co., Rome, N. Y.
Samson-United Corp., Rochester, N. Y.
Self-Heating Utensil Co., San Francisco, Cal. "Campers Friend"
Silex Co., Hartford, Conn.
Standard Aluminum Co., Two Rivers, Wis.
Sutterly (G. T.) Co., Phila., Pa.
Toledo Cooker Co., Toledo, O. "Ideal"
U. S. Stamping Co., Moundsville, W. Va.
Vollrath Co., Sheboygan, Wis.
Wagner Mfg. Co., Sidney, O.
West Bend Aluminum Co., West Bend, Wis.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.

PERCOLATORS, Coffee, Electric

Aluminum Cooking Utensil Co., New Kensington, Pa. "Wear-Ever"
Aluminum Goods Mfg. Co., Manitowoc, Wis. "Mirro"
Armstrong Appliance Corp., Huntington, W. Va. "Perc-O-Toaster" (Automatic)
Beardsley & Wolcott Mfg. Co., Waterbury, Conn. "Torrid"
Bersted Mfg. Co., Chicago, Ill.
Betsy Ross Electric Products Corp., Johnson City, N. Y.
Chicago Flexible Shaft Co., Chicago, Ill.
Coleman Lamp & Stove Co., Wichita, Kan. "Ariel"
Dominion Electric Mfg. Co., Minneapolis, Minn. "Domino"
Dover Mfg. Co., Dover, O.
Dowd-Rogers Co., Inc., 95 Madison Av., New York, N. Y.
Edison (Thos. A.), Inc., Orange, N. J. "Endicraft Siphonator"
Fitzgerald Mfg. Co., Torrington, Conn. "Star-Rite"
Forman Bros., Inc., 640 Wythe Av., B'klyn, N. Y.
General Electric Co., Bridgeport, Conn. "Hot Point"
Knapp-Monarch Corp., Belleville, Ill. "Therm-a-Hot," "Therm-a-Magic"
Landers, Frary & Clark, New Britain, Conn. "Landers," "Universal"
Manning, Bowman & Co., Meriden, Conn.
Metal Ware Corp., Two Rivers, Wis. "Empire"
National Stamping & Elec. Wks., Chicago, Ill. "White Cross"
Robeson-Rochester Corp., Rochester, N. Y. "Electrodrip," "Royal Rochester"
Rutenber Electric Co., Marion, Ind. "Marion"
Silex Co., Hartford, Conn. "Deauville," "Lido"
Simplex Div., Edison General Electric Appliance Co., Inc., Chicago, Ill.
Superior Elec. Products Corp., St. Louis, Mo. "Colonial," "Spee-Dee," "Super Lectric"
Voss Bros. Mfg. Co., Davenport, Ia.
Wange, A. H., 112 Chambers, New York, N. Y.
Wange Electric Co., Chicago, Ill. "Colonial," "Diamond Blue"
Westinghouse Electric & Mfg. Co., Mansfield, O. "Berkley," "Grecial," "Standard"
White Beauty Electric Co., Inc., Chicago, Ill. "Pet"

PERCOLATORS, Toy—See Sets, Cooking, Toy

PET COCKS—See Cocks, Pet

PEWTER METALS—See Metals, Pewter

PHONOGRAPH ATTACHMENTS, Radio—See Radio Phonograph Attachments

PHONOGRAPHS, Children's

Berg-Winship, Inc., Utica, N. Y.
Hedason Mfg. Co., New Haven, Conn.
Meisselbach, A. H., Div. of General Industries Co., Elyria, O. "Baby DeLuxe," "Master DeLuxe," "Master Genola"

PHOSPHOR BRONZE WIRE—See Wire, Phosphor Bronze

PHOSPHORESCENT PAINTS—See Paints, Luminous or Phosphorescent

PIANO MAKERS' CLAMPS—See Clamps, Cabinet Makers'

PIANOS, Toy

American Mfg. Concern, Falconer, N. Y.
Arcade Mfg. Co., Freeport, IH.
Cass (N. D.) Co., Athol, Mass.
Mason & Parker Co., Winchendon, Mass.
Schoenhut (A.) Co., Phila., Pa.

PICK HANDLES—See Handles, Hickory

PICKERS, Fruit, Etc.

Central Wire Frame Co., 219 E. 26th, New York, N. Y.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Kees (F. D.) Mfg. Co., Beatrice, Neb.
Komada Bros., Phila., Pa.
Royal Mfg. Co., Phila., Pa.
Washburn Company, Worcester, Mass.

PICKS

Ames, Baldwin, Wyoming Shovel Co., Parkersburg, W. Va. "Red Edge"
Collins Co., Collinsville, Conn. "Legitimus"
Diamond Calk & Horseshoe Co., 4622 Grand Av., Duluth, Minn.
Evansville Tool Wks., Evansville, Ind. "E. T. W."
Hardsocg Mfg. Co., Ottumwa, Ia.
Iron City Tool Wks., Pittsburgh, Pa.
Kelly Axe & Tool Wks. of American Fork & Hoe Co., Charleston, W. Va. "Hunt's"
Klein-Logan Co., Pittsburgh, Pa.
Leetonia Tool Co., Leetonia, O.
Oliver Iron & Steel Corp., Pittsburgh, Pa.
Vulcan Tool Mfg. Co., Quincy, Mass.
Warren Tool & Forge Co., Warren, O. "Quikwerk"
Warwood Tool Co., Wheeling, W. Va.
Wooding-Verona Tool Wks., Verona, Pa.

PICKS, Ice

A. & J. Kitchen Tool Co., Chicago, Ill. "Blutip"
Acme Metal Goods Mfg. Co., 2 Orange, Newark, N. J.
Arcade Mfg. Co., Freeport, Ill.
Automotive Royalties Corp., Inc., 299 Madison Av., New York, N. Y. (Spring Handle)
Bagshaw (W. H.) Co., Lowell, Mass. (Points)
Bates (C. J.) & Son, Chester, Conn.
Briddell, Chas. D., Chiseld, Md.
Bridgeport Hdw. Mfg. Corp., 200 Seaside Park, Bridgeport, Conn. "Cant-Roll," "Chipless," "Kitchen Kolor"
Buck (Wm. E.) Mfg. Co., Eastport, Me.
Carver Tool Wks., Spring Valley, N. Y.
Chapin-Stephens Co., Pine Meadow, Conn. "Elmore"
Chatillon (John) & Sons, 85 Cliff, New York, N.Y.
Deuse, J. S., Chester, Conn.
Dover Stamping & Mfg. Co., Cambridge, Mass.
Duffy Mfg. Co., Chicago, Ill.
Duro Metal Products Co., Chicago, Ill. "Safe Way"
Erickson (C. E.) & Co., Des Moines, Ia. (Adv.)
Gray Iron Foundry Co., Reading, Pa.
Hamilton Beach Mfg. Co., Racine, Wis. "Gilchrist"
Hills, Edwin, Plainville, Conn.
Mayhew Steel Products, Inc., Shelburne Falls, Mass.
Mechanics Tool & Wrench Co., Greenfield, Mass.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Mitchell Brothers Co., Kalaska Handle Co. Div., Cadillac, Mich.
Nicol & Co., Chicago, Ill. "White City"
Osborne (C. S.) & Co., Box 183, Newark, N. J.
Parker Wire Goods Co., Worcester, Mass.
Parkinson (Edw.) Mfg. Co., Providence, R. I. "Old Doctor," "Royal"
Peerless Novelty Co., Grand Haven, Mich.
Phoenix Hdw. Mfg. Co., Buffalo, N. Y.
Pickering Hdw. Co., Cincinnati, O. "Perfect Point"
P. M. C. Mfg. Corp., Kingston, N. Y.
Robinson (M. W.) Co., 296 B'way, New York, N. Y.
Royal Mfg. Co., Phila., Pa.
Ryan (James J.) Tool Wks., Southington, Conn.
Sargent & Co., New Haven, Conn.
Schollhorn (Wm.) Co., New Haven, Conn.
Sommer (J. L.) Mfg. Co., 251 New Jersey Railroad Av., Newark, N. J.
Southington Hardware Co., Southington, Conn.
Southington Mfg. Co., Southington, Conn. "Pioneer"
Staatsburg Ice Tool Works, Staatsburg-on-the-Hudson, N. Y.
Stanley Wks., New Britain, Conn.
Stevenson Mfg. Co., South Bend, Ind.
Stortz (John) & Son, Phila., Pa.
Stover Mfg. & Engine Co., Freeport, Ill. "Ideal"
Stoware, Inc., Stowe, Vt.
Swan (Jas.) Co., Seymour, Conn.
Thayer Mfg. Co., Williamsburg, Mass.
Thomson Drop Forge Co., Plantsville, Conn.
Tuck Mfg. Co., Brockton, Mass.
United Wire Gds. Mfg. Co., 420 E. 106th, New York, N. Y.
Vaughan Novelty Mfg. Co., Chicago, Ill. (All Metal and Wood Handles)
Wallace Bros., Wallingford, Conn. "Spring-O-Matic"
Washburn Company, Worcester, Mass.
White (Ira F.) & Son, Bloomfield, N. J.
Williams (A. C.) Co., Ravenna, O.
Williamson (C. T.) Wire Novelty Co., 53 Badger Av., Newark, N. J.
Wrightsville Hdw. Co., Wrightsville, Pa.

PICKS, Nut—See Crackers and Picks, Nut

PICNIC BASKETS—See Baskets, Picnic

PICNIC TABLES—See Tables, Picnic

PICTURE BOOKS, Children's—See Books, Children's

PICTURE CHAIN—See Wire, Picture

PICTURE CORD—See Wire, Picture

PICTURE HANGERS—See Hangers, Picture

PICTURE HOOKS—See Hooks, Picture

PICTURE PUZZLES—See Puzzles

PICTURE WIRE—See Wire, Picture

PIE PLATES—See Plates, Pie

PIERCED WARE—See Ware, Pierced

PIG FORCEPS—See Forceps, Pig

PIG LEAD—See Lead, Pig

PIG SOLDER—See Solder, Pig

PIGEON MARKERS—See Bands, Leg, Poultry

PIGEONS, Clay

lack Products Co., Chicago, Ill.
hamberlin Cartridge & Target Co., Cleveland, O. "Blue Rock"
orrill Target Co., Omaha, Neb.
estern Cartridge Co., East Alton, Ill.

IKE POLES—See Poles, Pike

IN HOSE and PLUG SPANNERS—See Spanners, Pin Hose and Plug

IN HOSE SPANNERS—See Spanners, Pin Hose and Plug

IN PUNCHES—See Punches, Pin

INCERS

(See also Pliers)

rcade Mfg. Co., Freeport, Ill.
hampion-De Arment Tool Co., Meadville, Pa. "Favorite," "Maud-S." "Our Pride"
amascus Steel Products Corp., Rockford, Ill. "Dasco"
icke Tool Co., Downers Grove, Ill.
mrich, Philip, Cincinnati, O.
ray Iron Foundry Co., Reading, Pa.
rey Iron Casting Co., Mt. Joy, Pa.
eller Bros. Co., 879 Mt. Prospect Av., Newark, N. J.
borne (C. S.) & Co., Box 183, Newark, N. J.
ck, Stow & Wilcox Co., Southington, Conn. "Pexto"
eading Saddle & Mfg. Co., Reading, Pa.
rgent & Co., New Haven, Conn.
anley Wks., New Britain, Conn.
ar Heel Plate Co., Louis Sacks, Inc., 357 Wilson Av., Newark, N. J.
over Mfg. & Engine Co., Freeport, Ill.
S. Lock & Hdw. Co., Columbia, Pa.
tica Drop Forge & Tool Co., Utica, N. Y.
aughan & Bushnell Mfg. Co., Chicago, Ill. "V. & B."
illage Blacksmith Folks, Watertown, Wis.

INCH BARS—See Bars, Pinch

INKING IRONS—See Irons, Pinking

INKING SHEARS—See Shears, Pinking

INS, Clevis

mson & Sessions Co., Cleveland, O.

INS, Clothes, Spring Clips

rst-Forester-Dixfield Co., 5845 Grand Central Terminal Bldg., New York, N. Y.
ark (J. R.) Co., Minneapolis, Minn. "Hoyt's"
vis Mfg. Co., Clinton, Me. "Yankee"
meritt Co., Waterbury, Vt. "Holdfast"
nn (Lewis M.) & Son, West Paris, Me. "Eclipse," "Oriental"
oore (J. G.) Co., Keene, N. H.
tional Spring Clip Co., Inc., Montpelier, Vt. "Holdtight," "Klos Klips," "Moore"
chmond Cedar Works, Richmond, Va.
eele-Wallace Corp., Richwood, W. Va. "Glen Rock"
S. Clothes Pin Co., Montpelier, Vt. "Bull Dog," "Clover," "Putnam"
ashburn Company, Worcester, Mass.
ire Hdw. Co., Chicago, Ill. "No. 183"

NS, Clothes, Toy—See Sets, Laundry, Toy

INS, Clothes, Wood, Ordinary

rst-Forster-Dixfield Co., Grand Central Terminal Bldg., New York, N. Y.
gert & Hopper, 223 Varick, New York, N. Y.
ark (J. R.) Co., Minneapolis, Minn.
nsolidated Wood Products Co., Island Falls, Me.
pples Co., S., St. Louis, Mo.
vis Cooperage Co., Martinsville, Ind.
tes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
ndy Things Mfg. Co., Ludington, Mich.
ke Independence Lumber Co., Big Bay, Mich.
uber Handle Mfg. Co., Milwaukee, Wis.
nn (Lewis M.) & Son, West Paris, Me.
nsing Woodenware Co., Cleveland, O "Sunny Day"
al Wood Dish Corp., Tupper Lake, N. Y.
irce (W. E.) & Co., Milford. N. H.
nley Bros. Co., West Paris, Me. "Kant Roll"
chardi & Bechtold, Bellaire, Mich.
nestown Mfg. Co., Williamsport, Pa.
eele Wallace Corp., Richwood, W. Va. "Acme," "Boss," "Daisy"
lles (H. A.) Co., Boston, Mass.
ratton Mfg. Co., Stratton, Me.
mmit Lumber Co., Davidson, Me.
nant (Sherman) Est., Northville, N. Y.
arsaw Wood Products Co., Warsaw, Ind.
eston Paper & Mfg. Co., Dayton, O.

INS, Cotter

(See also Cotters and Keys)

nerican Chain Co., Inc., Bridgeport, Conn. "Campbell Hammerlock"
nerican Steel Co., Pittsburgh, Pa. "Kelkotters"
ake & Johnson Co., Waterbury, Conn.
ooks (M. S.) & Sons, Chester, Conn.
Cap Screw & Nut Co., 38 Renwick, New York, N. Y.
Everitt Co., Boston, Mass.
Heiz & Heiz, Bush Terminal Bldg., B'klyn, N. Y. "H-H"
Hindley Mfg. Co., Valley Falls, R. I.
Hobbs Mfg. Co., Worcester, Mass.
Hubbard Spring Mfg. Co., Pontiac, Mich.
Lamson & Sessions Co., Cleveland, O. "Efficiency"
National Screw & Mfg. Co., Cleveland, O.
Smith (F. P.) & Co., Sharon Hills, Pa. "Saco"
Washburn Company, Worcester, Mass.
Western Wire Products Co., St. Louis, Mo. "W. W."
Whitaker Mfg. Co., Chicago, Ill.

PINS, Dowel, Brass

American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
Atlas Tack Co., Fairhaven, Mass.
Bowen Products Corp., Auburn Div., Auburn, N. Y. "Empress"
Interstate Iron & Steel Co., Chicago, Ill.
Kearsarge Peg Co., Bartlett, N. H.
Keystone Friction Hinge Co., Williamsport, Pa.
Milwaukee Tack Co., Milwaukee, Wis.
Morse, Frank W., Boston, Mass.
National Brass Co., Grand Rapids, Mich. "Essential"
Philadelphia Mach. Screw Co., Phila., Pa.
Shanafelt Mfg. Co., Canton, O.
South Bend Dowel Wks., South Bend, Ind.
Townsend Co., New Brighton, Pa.
Wellman Products Co., Cleveland, O. "Crescent"

PINS, Dowel, Wooden

Atkins Bros., Marion, Va.
Columbus Handle & Tool Corp., Works of the National Handle Co., Columbus, Ind.
Cummer Mfg. Co., Cadillac, Mich.
Despres Dowel Mfg. Co., Grand Rapids, Mich.
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Grayling Mfg. Co., Grayling, Mich.
Illinois Specialty Co., Tuscola, Ill.
Mitchell Brothers Co., Kalaska Handle Co. Div., Cadillac, Mich.
Rowe (Henry) Mfg. Co., Newaygo, Mich.
Stiles (H. A.) & Co., Boston, Mass.
Thurston (J. A.) Co., Bethel, Me.

PINS, Drapery

Beardsley & Wolcott Mfg. Co., Waterville, Conn.
Judd (H. L.) Co., 87 Chambers, New York, N. Y.
Turner & Seymour Mfg. Co., Torrington, Conn.

PINS, Drift

Fairmount Tool & Forging Co., Cleveland, O.
Oliver Iron & Steel Corp., Pittsburgh, Pa.
Pittsburgh Forge Iron Co., Pittsburgh, Pa.
Plomb Tool Co., Los Angeles, Cal.
Stanley Wks., New Britain, Conn.
United Screw & Bolt Corp., Cleveland, O.
Vlchek Tool Co., Cleveland, O.
Wooding-Verona Tool Wks., Verona, Pa.

PINS, Escutcheon

Atlas Tack Corp., Fairhaven, Mass.
Beardsley & Wolcott Mfg. Co., Waterville, Conn.
Chase Brass & Copper Co., Waterbury, Conn.
Clendenin Bros., Baltimore, Md.
Continental Screw Co., New Bedford, Mass.
Corbin Screw Corp., New Britain, Conn.
Hassall (John), Inc., 402 Oakland, B'klyn, N. Y.
Milwaukee Tack Co., Milwaukee, Wis.
Newell Mfg. Co., Ogdensburg, N. Y.
Stimpson (Edwin B.) Co., 70 Franklin, Av., B'klyn, N. Y.
Turner & Seymour Mfg. Co., Torrington, Conn. "Star"
Western Newell Mfg. Co., Freeport, Ill.

PINS, Push

Houze (L. J.) Convex Glass Co., Point Marion, Pa. "Houzex"
Kittie, Wm. J., 95 Zabriskie, Jersey City, N. J.
Moore Push-Pin Co., 113-125 Berkley, Phila., Pa. "Decorative"
Noesting Pin Ticket Co., Mt. Vernon, N. Y.
Stransky Products Corp., 261 Canal, New York, N. Y.
Turner & Stanton Co., Norwich, Conn.
Waterbury Tack Co., Waterbury, Conn.
Wendtland (W.), Inc., 51 Mercer, New York, N. Y. "Glas-Tac"

PINS, Rolling

Bogert & Hopper, 223 Varick, New York, N. Y.
Cambridge Glass Co., Cambridge, O.
Cupples Co., S., St. Louis, Mo.
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Imperial Mfg. Co., Cambridge, O. "Crystal," "Disc Wood." "White Opalite"
Magic Coney Co., Newport, Me.
Maple Lumber Co., Urbana, O.
Munising Woodenware Co., Cleveland. O.
Parrish (J. Shepherd) Co., Chicago, Ill.
Prouty (C.) & Co., Eldred, Pa.
Royal Mfg. Co., Phila., Pa.
Sandvik Saw & Tool Corp., Minneapolis, Minn. (Imported)
Sanford Bat Co., Sanford, Me.
Sommer (John) Faucet Co., 30 Morris Av., Newark, N. J.
Stevenson Mfg. Co., South Bend, Ind.
Stiles (H. A.) & Co., Boston, Mass.
Stoware, Inc., Stowe, Vt.
United States Glass Co., Pittsburgh, Pa.

PINS, Taper

Brown & Sharpe Mfg. Co., Providence, R. I.
Eaton Mfg. Co., Massillon, O.
Hartford Machine Screw Co., Hartford, Conn.
Heiz & Heiz, Bush Terminal Bldg., B'klyn, N. Y. "H-H"
Morse Twist Drill & Mach. Co., New Bedford, Mass.
National Sewing Machine Co., Belvidere, Ill.
Standard Horse Nail Co., New Brighton, Pa.
Standard Tool Co., Cleveland, O.
United Screw & Bolt Corp., Cleveland, O.
Western Automatic Machine Screw Co., Elyria, O.

PINS, Ten

(See also Balls, Bowling)

Bogert & Hooper, 223 Varick, New York, N. Y.
Brunswicke-Balke-Collender Co., Chicago, Ill.
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Hawes Mfg. Co., Towanda, Pa.
Novelty Turning Co., Norway, Me.
Ohio Wood Turning Co., Cleveland, O.
Pratt (Wm. E.) Mfg. Co., Chicago, Ill.
Rockwell, John L., Monroetown, Pa.
Roscoe Ten Pin Co., Roscoe, N. Y.
Stevens (B. A.) Co., Toledo, O.
Stiles (H. A.) & Co., Boston, Mass.
Stratton Mfg. Co., Stratton, Me.
Strombeck-Becker Mfg. Co., Moline, Ill.

PINS, Ten, Toy

Bradley, C. E., Brattleboro, Vt.
Bradley (Milton) Co., Springfield, Mass.
Converse-Mason Corp., Winchendon, Mass.
Mason & Parker Mfg. Co., Winchendon, Mass.
Parker Bros., Salem, Mass.

PINS, Tent—See Stakes, Tent

PINWHEELS

Louisville Novelty Co., Louisville, O.
Marks Bros. Co., Boston, Mass.
Northern Commission Co., Boston, Mass.
Schindler, Chas., Toledo, O.

PIPE and BENCH COMBINATION VISES—See Vises, Combination, Pipe and Bench

PIPE BANDS—See Bands, Pipe and Tank

PIPE BENDERS—See Benders, Pipe

PIPE, Brass—See Tubing, Brass

PIPE, Brass and Copper

American Brass Co., Waterbury, Conn. "Anaconda"
Bridgeport Brass Co., Bridgeport, Conn. "Plumrite"
Chase Brass & Copper Co., Waterbury, Conn.
Everitt Co., Boston, Mass.
Republic Iron & Steel Co., Youngstown, O. "Toncan" (Copper, Molybdenum & Iron)
Walworth Co., Statler Bldg., Boston, Mass.

PIPE CAPS—See Fittings, Pipe

PIPE, Cast Iron, Gas and Water

American Cast Iron Pipe Co., Birmingham, Ala.
Central Foundry Co., 420 Lexington Av., New York, N. Y. "Universal"
Colorado Fuel & Iron Co., Denver, Colo.
Glamorgan Pipe & Foundry Co., Lynchburg, Va.
Lynchburg Foundry Co., Lynchburg, Va.
National Cast Iron Pipe Co., Birmingham, Ala.
Record Foundry & Machine Co., Livermore Falls, Me.
U. S. Pipe & Foundry Co., East Burlington, N. J.
Walworth Co., Boston, Mass.
Wood (R. D.) & Co., Phila., Pa.

PIPE, Cast Iron, Soil

Anniston Foundry Co., Anniston, Ala. "Afco"
Central Foundry Co., 420 Lexington Av., New York, N. Y.
Charlotte Pipe & Foundry Co., Charlotte, N. C.
Crown Pipe & Foundry Co., Jackson, O.
Medina Foundry Co., Medina, N. Y.
National Cast Iron Pipe Co., Birmingham, Ala.
Nelson (N. O.) Mfg. Co., St. Louis, Mo.
Somerville Iron Works, Somerville, N. J.
Southern Pipe & Foundry Co., Birmingham, Ala.
Warren Foundry & Pipe Corp., 11 B'way, New York, N. Y.
Weiskittel (A.) & Sons Co., Baltimore, Md.

PIPE CLAMPS—See Clamps, Pipe

PIPE CLEANING COMPOUNDS—See Cleaners, Drain Pipe and Trap

PIPE, Conductor and Eave Trough

Ames (W. R.), San Francisco, Cal.
Berger Mfg. Co., Canton, O. "Berloy"
Braden Mfg. Co., Terre Haute, Ind.
Burton (W. J.) Co., Detroit, Mich.
Chase Brass & Copper Co., Waterbury, Conn.
Chicago Metal Mfg. Co., Chicago, Ill.
Dowman-Dozier Mfg. Co., Atlanta, Ga.
Edward Mfg. Co., Cincinnati, O.
Gedge Bros. Iron Roofing Co., Anderson, Ind.
Globe Iron Roofing & Corrugating Co., Inc., Newport, Ky.
Hammond Sheet Metal Co., St. Louis, Mo.
Hopson (W. C.) Co., Grand Rapids, Mich.
Hussey (C. G.) & Co., Pittsburgh, Pa.
Klauer Mfg. Co., Dubuque, Ia.
La Crosse Steel Roofing & Corrugating Co., La Crosse, Wis.
Lamb & Ritchie Co., Cambridge, Mass.
Lupton's (David) Sons, Phila., Pa.
Lyman, H. B., Southampton, Mass.
Lyon, Conklin & Co., Baltimore, Md. "L. C. & Co.," "Lyonore"
Martin Metal Mfg. Co., Wichita, Kan.
Merchant & Evans Co., Phila., Pa.
Meyer (F.) & Bro. Co., Peoria, Ill. "Handy"
Milcor Steel Co., Milwaukee, Wis. "Interlock"
New Delphos Mfg. Co., Delphos, O.
New England Steel Roofing Co., Worcester, Mass.
New Orleans Roofing & Metal Co., New Orleans, La. "Nola"
New York Iron Roofing & Corrugating Co., 94 1st, Jersey City, N. J.
Norcor Mfg. Co., Green Bay, Wis.
Norman (W. F.) Sheet Metal Mfg. Co., Nevada, Mo.
Northwest Metal Products, Inc., Seattle, Wash. "Norwesco"
Ohio Corrugating Co., Warren, O.
Reeves Mfg. Co., Dover, O.
Souther (E. E.) Co., St. Louis, Mo.
Throm, Carl F., Toledo, O.
Tiffin Art Metal Co., Tiffin, O.
Valley Cornice & Slate Co., Saginaw, Mich.
Weyand (Henry) Co., Waterbury, Conn.
Wheeling Corrugating Co., Wheeling, W. Va.
Wright Mfg. Co., New Haven, Conn.
York Corrugating Co., York, Pa.

PIPE, Copper—See Tubing, Brass and Copper

PIPE COUPLINGS—See Couplings, Pipe

PIPE COVERING—See Covering, Pipe

PIPE CRIMPERS—See Crimpers, Pipe

PIPE CUTTERS—See Cutters, Pipe

PIPE DIE STOCKS—See Stocks, Die, Pipe and Bolt

PIPE, Eave Trough—See Pipe, Conductor and Eave Trough

PIPE ELBOWS—See Fittings, Pipe

PIPE FITTINGS—See Fittings, Pipe

PIPE and FITTINGS, Furnace

Acer & Whedon, Medina, N. Y.
Bergstrom Mfg. Co., Neenah, Wis. "Kwik-lok"
Budke Stamping Co., Canonsburg, Pa.
Clark (Henry N.) Co., Boston, Mass.
Eclipse Metal Mfg. Co., Eden, N. Y.
Excelsior Steel Furnace Co., Chicago, Ill.
Excelsior Stove & Mfg. Co., Quincy, Ill.
Farquhar Furnace Co., Wilmington, O.
Gammeter (W. F.) Co., Cadiz, O.
Green Foundry & Furnace Works, Des Moines, Ia.
Hessler (N. E.) Co., Syracuse, N. Y.
Hill (James) Mfg. Co., Providence, R. I.
Howes (S. M.) Co., Boston, Mass.
Johnson (Chas.) Co., Inc., Peoria, Ill. "Champion"
Keith Furnace Co., Des Moines, Ia.
Lyman, H. B., Southampton, Mass.
Martin Hardsocg Co., Pittsburgh, Pa.
Meyer (F.) & Bro. Co., Peoria, Ill. "Handy"
Miller (Geo. B.) & Son Co., Waterloo, Ia. "Freeman"
Milcor Steel Co., Milwaukee, Wis.
Mueller (L. J.) Co., Milwaukee, Wis.
Perfection Furnace Pipe Co., Toledo, O.
Ravenna Furnace & Heating Co., Ravenna, O.
Republic Metalware Co., Buffalo, N. Y.
Safety Furnace Pipe Co., Detroit, Mich.
Sheet Metal Specialty Co., Pittsburgh, Pa.
Stratton & Terstegge Co., Inc., Mfg. Div., Louisville, Ky. "Falls City"
Taplin-Rice-Clerkin Co., Akron, O.
XXth Century Heating & Ventilating Co., Akron, O.
United States Register Co., Battle Creek, Mich.
Wheeling Steel Corp., Wheeling, W. Va.
Williamson Heater Co., Cincinnati, O.
Wright Mfg. Co., New Haven, Conn.

PIPE HANGERS—See Hangers, Pipe

PIPE HOOKS—See Hooks, Pipe

PIPE JOINT CEMENT—See Cement, Pipe Joint

PIPE, Lead

Baker Lead Mfg. Co., Worcester, Mass.
Clendenin Bros., Inc., Baltimore, Md.
Detroit Lead Pipe Wks., Detroit, Mich.
Eagle-Picher Lead Co., Cincinnati, O.
Federated Metals Corp., Chicago, Ill.
National Lead Co., 111 B'way, New York, N. Y.
Nelson (N. O.) Mfg. Co., St. Louis, Mo.
North American Smelting Co., Phila., Pa.
Rochester Lead Wks., Rochester, N. Y.
Shelby Smelting Wks., San Francisco, Cal.
United Lead Co., 111 B'way, New York, N. Y.
Windsor Mfg. Co., Milwaukee, Wis.

PIPE, Lead-Lined

National Lead Co., 111 B'way, New York, N. Y.

PIPE NIPPLES—See Fittings, Pipe

PIPE PLATES—See Threaders, Pipe

PIPE LUGS—See Plugs, Pipe

PIPE RAILING—See Railing, Pipe, Iron, Brass

PIPE REAMERS—See Taps and Reamers, Pipe

PIPE, Riveted

American Steel Pipe & Tank Co., Los Angeles, Cal.
Biggs Boiler Wks. Co., Akron, O.
Dover Boiler Wks., Inc., Dover, N. J.
Koven (L. O.) & Bro., Inc., Jersey City, N. J.
Lancaster Iron Wks., Inc., Lancaster, Pa.

PIPE SLEEVES—See Couplings, Pipe; also Fittings, Pipe

PIPE, Steel

Bethlehem Steel Co., Bethlehem, Pa.
Central Tube Co., Pittsburgh, Pa.
Jones & Laughlin Steel Co., Pittsburgh, Pa.
National Tube Co., Pittsburgh, Pa.
Republic Iron & Steel Co., Youngstown, O.
South Chester Tube Co., Chester, Pa.
Spang, Chalfant & Co., Pittsburgh, Pa.
Wheeling Steel Corp., Wheeling, W. Va. "Wheeling"
Youngstown Steel Products Co., Youngstown, O.

PIPE, Stove
(See also Pipe, Furnace)

Acorn Elbow & Mfg. Co., Cleveland, O. (Aluminum)
Baker Stove Wks., Belleville, Ill.
Ballonoff Metal Products Co., Cleveland, O. (Chromium and Nickel Plated Aluminum)
Barschi, Harry, 209 E. 144th, New York, N. Y.
Budke Stamping Co., Canonsburg, Pa. "Stay-Lock"
Crunden (Martin) Mfg. Co., St. Louis, Mo.
Eddy (Geo. W.) Co., Inc., Syracuse, N. Y. "Gweco"
Edwards Mfg. Co., Cincinnati, O.
Excelsior Steel Furnace Co., Chicago, Ill.
Excelsior Stove & Mfg. Co., Quincy, Ill. "National"
Grier Bros., Pittsburgh, Pa.
Heinz (C.) Stove Co., St. Louis, Mo.
Hemp & Co., Corp., St. Louis, Mo. "Anti-Swear Self Locking," "Economy," "Nox-All," "Rival"
Hill (Jas.) Mfg. Co., Providence, R. I.
Hillson (H. M.) Co., Somerville, Mass.
Howes (S. M.) Co., Boston, Mass.
Huenefeld Co., Cincinnati, O.
International Heater Co., Utica, N. Y.
Jackes-Evans Mfg. Co., 4400 N. Union Blvd., St. Louis, Mo. "Easy Lock," "Improved Snap Lock," "J.-E.-Namel," "Jemco Lock"
Kaiser, Andrew, Est., Columbus, O.
Lawson (F. H.) Co., Cincinnati, O. "Lawco"
Lindemann (A. J.) & Hoverson Co., Milwaukee, Wis.
Lyon, Conklin & Co., Inc., Baltimore, Md. "Tiger"
McCarthy Mfg. Co., Inc., Cleveland, O. (Aluminum)
Meyer (F.) & Bro. Co., Peoria, Ill. "Handy"
Moncrief-Lenoir Mfg. Co., Houston, Tex.
Mosheik (P.) & Son, Chicago, Ill.
National Enameling & Stamping Co., Milwaukee, Wis.
Northwest Metal Products, Inc., Seattle, Wash. "Norwesco"
Parkersburg Iron & Steel Co., Parkersburg, W. Va. "Acme," "Masterlok," "O. K.," "Universal," "Znapper"
Phillips & Buttoroff Mfg. Co., Nashville, Tenn.
Reeves Mfg. Co., Dover, O. "Acme," "Buckeye," "Dover-Smith," "Ohio-Buckeye," "Ohio Lock," "Simplex," "Snaplok," "Surelok"
Savory, Inc., 591 Ferry, Newark, N. J.
Sheet Metal Specialty Co., Pittsburgh, Pa. "Security" (Polished Nickel)
Stratton & Terstegge Co., Inc., Mfg. Div., Louisville, Ky. "Falls City"
Wheeling Corrugating Co., Wheeling, W. Va.
Wilder Metal Co., Niles, O. "Wildergloss" (Aluminum and Nickeled)
Wright Mfg. Co., New Haven, Conn.

PIPE STRAPS—See Straps, Pipe and Conduit

PIPE TAPS—See Taps and Reamers, Pipe

PIPE TREES—See Fittings, Pipe

PIPE THIMBLES—See Thimbles, Pipe

PIPE THREADERS—See Threaders, Pipe

PIPE THREADING MACHINES—See Threading Machines, Pipe

PIPE THREADING TOOLS—See Tools, Threading, Pipe

PIPE TONGS—See Tongs, Pipe

PIPE TOOL CLEANERS—See Cleaners, Pipe Tool

PIPE UNIONS—See Fittings, Pipe

PIPE VISES—See Vises, Pipe

PIPE WRENCHES—See Wrenches, Pipe

PIPE, Wrought Iron

Byers (A. M.) Co., Pittsburgh, Pa. (Genuine)
Cohoes Rolling Mill Co., Cohoes, N. Y. (Genuine)
Crane Co., Chicago, Ill.
Reading Iron Co., Reading, Pa. (Genuine)
South Chester Tube Co., Chester, Pa.
Walworth Co., Boston, Mass. "Walco"
Youngstown Sheet & Tube Co., Youngstown, O.

PIPELESS FURNACE GRATINGS—See Gratings, Pipeless Furnace

PIPELESS FURNACES—See Furnaces, Pipeless

PIPETTES, Milk Testing—See Testers, Milk and Cream

PISTOL CARTRIDGES—See Cartridges, Rifle, Pistol, Etc.

PISTOL CLEANERS—See Cleaners, Pistol

PISTOL GRIPS—See Grips, Pistol

PISTOLS, Automatic
(See also Revolvers)

Browning Arms Co., St. Louis, Mo.
Colt's Patent Fire Arms Mfg. Co., Hartford, Conn. "Camp Perry"
Harrington & Richardson Arms Co., Worcester, Mass.
Hartford Arms & Equipment Co., Hartford, Conn.
Johnson's (Iver) Arms & Cycle Wks., Fitchburg, Mass.
Smith & Wesson, Springfield, Mass.
Stevens (J.) Arms Co., Chicopee Falls, Mass.

PISTOLS, Liquid

All-Metal Products Co., Wyandotte, Mich. "Wyandotte"
Cosmo Mfg. Co., Chicago, Ill.
Daisy Mfg. Co., Plymouth, Mich. "King Jr"
Novelty Casting Co., 1166 Cypress Av., B'klyn, N. Y.
Parker, Stearns & Co., 286 Sheffield Av., B'klyn, N.Y.

PISTOLS, Toy

All-Metal Products Co., Wyandotte, Mich.
Arrow Novelty Co., 62 W. 14th, New York, N. Y.
Art Metal Wks., 7 Mulberry, Newark, N. J. "Ronson Repeater"
Conestoga Corp., Bethlehem, Pa. "BING-BANG"
Daisy Mfg. Co., Plymouth, Mich.
Hubley Mfg. Co., Lancaster, Pa.
Johnson (W. P.) Co., Des Moines, Ia. (Repeating Bell)
Kenton Hdw. Co., Kenton, O. "Kentontoys" (Paper Cap & Blank Cartridge)
Kilgore Mfg. Co., Westerville, O. (Repeating) (Paper Cap)
Kingston Products Corp., Kokomo, Ind. (Rubber Band)
Steel Stamping Co., Lorain, O. "Flanders"
Stevens (J. & E.) Co., Cromwell, Conn. (Paper Cap)

PIT SAWS—See Saws, Whip and Pit

PITCH FORKS—See under Forks

PITCH GAGES, Screw—See Gages, Screw

PITCHER SPOUT PUMPS—See Pumps, Pitcher Spout

PITCHING HORSE SHOES—See Shoes, Horse, Pitching

PIVOTS, Sash—See Centers, Sash

PLACERS, Trap

Triumph Trap Co., Oneida, N. Y.

PLAIN and ORNAMENTAL RIDGING—See Rolls, Ridge

PLAIN WIRE—See Wire, Plain

PLANE IRONS—See Irons, Plane

PLANER JACKS—See Jacks, Planer

PLANER TOOL HOLDERS—See Holders, Tool, Lathe, Planer, Etc.

PLANER TOOLS—See Tools, Lathe and Planer

PLANES

Central Hdw. Co., Phila., Pa. "Goodall"
Chapin-Stephens Co., Pine Meadow, Conn. "C-S Co."
Consolidated Tool Wks., 509 Madison Av., New York, N. Y.
Ennis Mfg. Co., Reading, Pa.

PLANES (Continued)

Hardware Specialty Mfg. Co., Temple, Pa. "Hardy"
Kensington Hdw. & Tool Mfg. Co., Phila., Pa.
Mack Tool Co., Inc., Rochester, N. Y. "D. R. Barton"
Millers Falls-Godell Pratt Co., Greenfield, Mass.
Miniature Plane Co., Quincy, Mass. "Midget"
Modern Grinder Mfg. Co., Milwaukee, Wis.
Sargent & Co., New Haven, Conn.
Shelton Tool Co., Shelton, Conn.
Smith, Otis A., Rockfall, Conn. "Fales"
Stanley Wks., New Britain, Conn. "Bailey," "Bed Rock" (Also Combination Planes "45," "55")
Union Plane Co., New Britain, Conn.
Vaughan & Bushnell Mfg. Co., Chicago, Ill. "V & B"
Wappat, Inc., Div. of Simonds Saw & Steel Co., Pittsburgh, Pa. "Alta" (Electric Hand)
Washburn Company, Worcester, Mass.
Wrightsville Hdw. Co., Wrightsville, Pa.

PLANKS, Fish—See Planks, Steak and Fish

PLANKS, Steak and Fish

Bogert & Hopper, 223 Varick, New York, N. Y.
Dillingham Mfg. Co., Sheboygan, Wis.
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Landers, Frary & Clark, New Britain, Conn. "Universal"
New York Stamping Co., N. 11th & Berry, B'klyn, N. Y.
Robeson-Rochester Corp., Rochester, N. Y. "Royal Rochester"
Stoware, Inc., Stowe, Vt.

PLANT SUPPORTS—See Supports, Wire, Plant and Shrub

PLANTS, Lighting—See Lighting, Plants, Farm

PLASTER BOARD NAILS—See Nails, Wall Board

PLASTER BOARDS—See Boards, Wall

PLASTER KNIVES—See Knives, Bandage and Plaster

PLASTER PATCHING—See Patching, Plaster

PLASTERERS' FLOATS—See Floats, Plasterers'

PLASTERERS' HAWKS—See Hawks, Plasterers'

PLASTERERS' PADDLES—See Paddles, Plasterers'

PLASTERERS' SAWS—See Saws, Plasterers'

PLASTERERS' TOOL BAGS—See Bags or Rolls, Tool

PLASTERERS' TOOLS—See article desired

PLASTERERS' TROWELS—See Trowels, Plasterers'

PLASTIC METAL—See Metal, Plastic

PLASTIC WOOD—See Wood, Plastic

PLATE WARMERS—See Warmers, Plate

PLATED TABLE WARE, Hollow—See Ware, Table, Hollow Plated

PLATES, Children's

uffalo Lamp & Mfg. Co., Inc., Buffalo, N. Y. (Hot Water Container)
irsch (Max), Inc., 16 W. 23rd, New York, N. Y. (Hot Water Container)

PLATES, Corner

rainerd Mfg. Co., East Rochester, N. Y.
orbin Cabinet Lock Co., New Britain, Conn.
berhard Mfg. Co., 2790 Tennyson Rd., Cleveland, O.
rantz Mfg. Co., Sterling, Ill.
rought Hdw. & Forging Co., Phila., Pa.

PLATES, Drop Letter

arrows Lock Works of Yale & Towne Mfg. Co., Lockport, Ill.
ampion Hdw. Co., Geneva, O.
orbin, P. & F., New Britain, Conn.
etroit Hdw. Mfg. Co., Detroit, Mich.
gle Lock Co., Terryville, Conn.
nis Mfg. Co., Reading, Pa.
march Mfg. Co., Detroit, Mich.
tional Brass Co., Grand Rapids, Mich.
rwalk Lock Co., 12 Warren, New York, N. Y.
nn Hdw. Co., Reading, Pa.
ading Hdw. Corp., Reading, Pa.
ssell & Erwin Mfg. Co., New Britain, Conn.
ger Lock Works of Yale & Towne Mfg. Co., North Chicago, Ill.
rgent & Co., New Haven, Conn.
elby Spring Hinge Co., Shelby, O.
ymaker Lock Co., Lancaster, Pa.
le & Towne Mfg. Co., Stamford, Conn.

ATES, Electric—See Plates, Hot, Electric, Gas, Etc.

ATES, Floor and Ceiling

ton & Caldwell Mfg. Co., New Britain, Conn. "Perfection"
tral Iron & Steel Co., Harrisburg, Pa.
Chicago Nipple Mfg. Co., Los Angeles, Cal.
Clark (H. W.) Co., Mattoon, Ill.
Crane Co., Chicago, Ill.
Franklin Machine Co., Providence, R. I.
Grabler Mfg. Co., Cleveland, O.
Johnson (Chas.) Co., Inc., Peoria, Ill. "Champion"
Meyer (F.) & Bro. Co., Peoria, Ill. "Handy"
Porcupine Co., Bridgeport, Conn.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Scully Steel & Iron Co., Chicago, Ill.

PLATES, Flush, Switch

Arrow-Hart & Hegeman Electric Co., Hartford, Conn. (Also Signal Device)
Beaver Mfg. Co., 625 W. 3d, Newark, N. J.
Bryant Elec. Co., Bridgeport, Conn.
Bull Dog Electric Products Co., Detroit, Mich.
Chesler (J.) & Sons Co., 41 Varick, B'klyn, N. Y.
Circle F. Mfg. Co., Trenton, N. J.
Connecticut Elec. Mfg. Co., Bridgeport, Conn.
Detroit Wks., Detroit, Mich.
Gayner Elec. Co., Inc., Bridgeport, Conn.
Hubbell (Harvey), Inc., Bridgeport, Conn.
Keil (Francis) & Son, 401 E. 163d, New York, N.Y.
Lovell (F. H.) & Co., Arlington, N. J.
Metropolitan Elec. Mfg. Co., Boulevard at 14th, Long Island City, N. Y.
Morse (F. W.) Co., Boston, Mass.
Pass & Seymour, Syracuse, N. Y.
Rhodes (M. H.), Inc., New Haven, Conn. "Mark Time"
Scovill Mfg. Co., Waterbury, Conn.
U. S. Electric Mfg. Corp., 222 W. 14th, New York, N. Y.
Waterbury Brass Goods Corp., Waterbury, Conn.
Waterbury Mfg. Co., Waterbury, Conn.

PLATES, Gas—See Plates, Hot, Electric, Gas, Etc.

PLATES, Heel

Draper-Maynard Co., Plymouth, N. H.
Fate-Root-Heath Co., 1333 High, Plymouth, O. "Empire," "Malleable," "Steel"
Hierlihy, Wm., Bellaire, Mich.
Lion Heel Plate Co., Ithaca, N. Y.
Norlund (O. A.) Co., Williamsport, Pa.
Parker Wire Goods Co., Worcester, Mass.
Star Heel Plate Co., Louis Sacks, Inc., 357 Wilson Av., Newark, N. J. "Boston," "Fixo," "Star," "Victor"
Stimpson (Edwin B.) Co., 68 Franklin Av., B'klyn, N. Y.
Tuck Mfg. Co., Brockton, Mass.
Ty-O-La Products Co., Haverhill, Mass.
United Shoe Mchy. Co., Boston, Mass.
Young (W. J.) Mchy. Co., Lynn, Mass.

PLATES, Hinge, Corner

Braun (J. G.) Co., Chicago, Ill.
Corbin, P. & F., New Britain, Conn.
Detroit Hdw. Mfg. Co., Detroit, Mich.
Goldhill Hdw. Mfg. Co., Los Angeles, Cal.
Hess (Chas.) Co., 49-14 Metropolitan Av., B'klyn, N. Y.
McKinney Mfg. Co., Pittsburgh, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.
Yale & Towne Mfg. Co., Stamford, Conn.

PLATES, Home

Draper-Maynard Co., Plymouth, N. H.
Goodrich (B. F.) Rubber Co., Akron, O.
Goldsmith (P.) & Sons, Cincinnati, O.
Mechanical Rubber Co., Cleveland, O.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Seamless Rubber Co., New Haven, Conn.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stall & Dean Mfg. Co., Brockton, Mass.
Wilson Western Sporting Goods Co., Chicago, Ill.

PLATES, Hot, Electric, Gas, Etc.

American Beauty Stove Co., Erie, Pa.
American Electric Heater Co., Detroit, Mich. "American Beauty"
American Foundry & Mach. Co., Hamilton, O. "Spic-Span" (Gas)
American Stove Co., St. Louis, Mo. "Clark Jewel," "New Process," "Quick Meal," "Reliable"
Beardsley & Wolcott Mfg. Co., Waterville, Conn. "Wilwear"
Betsy Ross Electric Products Co., Johnson City, N. Y.
Buckwalter Stove Co., Royersford, Pa. "Pan Heat"
Caloric Gas Stove Wks., Phila., Pa. (Gas)
Champion Stove Co., Cleveland, O.
Clark (Geo. M.) & Co. Div., American Stove Co., Chicago, Ill. "Clark Jewel," "Olympia" (Gas)
Cleveland Lock Works, Cleveland, O. (Gas)
Coleman Lamp & Stove Co., Wichita, Kan.
Crescent Foundry Co., St. Louis, Mo. "Ozark" (Gas)
Dangler Stove Co. Div., American Stove Co., Cleveland, O.
Detroit-Michigan Stove Co., Detroit, Mich. (Laundry) "Garland," "Jewel," "Laurel"
Dominion Electrical Mfg. Co., Minneapolis, Minn. "Domino," "Modern Mode"
Drake Electric Wks., Chicago, Ill.
Eagle Foundry Co., Belleville, Ill. (Gas)
Electrahot Mfg. Co., Minneapolis, Minn.
Electromaster, Inc., Detroit, Mich. "Fire Bowl"
Elgin Stove & Oven Co., Elgin, Ill.
Estate Stove Co., Hamilton, O.
Ev'ryday Electric Co., Marion, Ind.
Fitzgerald Mfg. Co., Torrington, Conn. "Star-Rite"
Florence Stove Co., Gardner, Mass.
Fremont Stove Co., Fremont, O.
General Electric Co., Bridgeport, Conn. "Hot Point"
Grey Iron Casting Co., Mt. Joy, Pa.
Griswold Mfg. Co., Erie, Pa.
Hammer-Bray Co., Oakland, Cal. "Spark"
Hevi Duty Electric Co., Milwaukee, Wis.
Hot Glow Electric Mfg. Co., Buffalo, N. Y. (Electric)
Johnson Gas Appliance Co., Cedar Rapids, Ia.
Knapp-Monarch Co., Belleville, Ill. "Therm-a-Hot"
Landers, Frary & Clark, New Britain, Conn. "Landers," "Universal"
Lindemann (A. J.) & Hoverson Co., Milwaukee, Wis. "L & H Electrics"
Lisk Mfg. Co., Ltd., Canandaigua, N. Y. "Electro"
Made-Rite Mfg. Co., Sandusky, O.
National Electric Appliance Corp., Cleveland, O.
National Stamping & Electric Wks., Chicago, Ill. "White Cross"
National Stove Co. Div., American Stove Co., Lorain, O. "Direct Action"
New Process Stove Co. Div., American Stove Co., Cleveland, O. (Gas)
New York Brass Turning Co., 568 B'way, New York, N. Y. "Brassturn"
Northwest Metal Products, Inc., Seattle, Wash. "Parker"
Odin Stove Mfg. Co., Erie, Pa. (Gas)
Phillips-Laffitte Co., Inc., Phila., Pa. "Let-A-Boil"
Prentiss Wabers Products Co., Wisconsin Rapids, Wis. "Preway"
Proctor & Schwartz Electric Co., Phila., Pa.
Quick Meal Stove Co., St. Louis, Mo.
Regent Stove & Mfg. Co., Detroit, Mich.
Reliable Stove Co. Div., American Stove Co., Cleveland, O.
Rock Island Mfg. Co., Rock Island, Ill. "Rimco"
Rogers Electric Laboratories Co., Cleveland, O.
Roper (Geo. D.) Corp., Rockford, Ill.
Rutenber Electric Co., Marion, Ind. "Marion"
Serelco Products Corp., 601 W. 26th, New York, N. Y.
Simplex Div. of Edison General Electric Appliance Co., Chicago, Ill.
Spokane Stove Repair Co., Spokane, Wash. (Attachment for Stove Range)
Squire Products Co., Pittsburgh, Pa. "Savgas"
Standard Electric Stove Co., Toledo, O.
Superior Electric Products Corp., St. Louis, Mo. "Super Lectric"
Swartzbaugh Mfg. Co., Toledo, O. "Everhot"
Universal Heater Mfg. Co., St. Louis, Mo. "Jiffy"
Utility Electric Co., St. Louis, Mo.
Walker & Pratt Mfg. Co., Boston, Mass. "Crawford"
Westinghouse Elec. & Mfg. Co., Mansfield, O.
Wheeling Stove & Range Co., Wheeling, W. Va.

PLATES, Key, Porcelain

(See also Escutcheons)

Corbin, P. & F., New Britain, Conn.
Russell & Erwin Mfg. Co., New Britain, Conn. "Russwin"
Sargent & Co., New Haven, Conn.

PLATES, Kick and Push

Bache (Semon) & Co., 636 Greenwich, New York, N. Y. (Glass)
Barrows Lock Works of Yale & Towne Mfg. Co., Lockport, Ill.
Bommer Spring Hinge Co., 263 Classon Av., B'klyn, N. Y.
Central Glass Products Co., Marion, Ind.
Ceramic Specialties, Inc., 154 Nassau, New York, N. Y. (Glass)
Chamberlain Metal Weather Strip Co., Inc., Detroit, Mich.
Champion Hdw. Co., Geneva, O.
Chase Brass & Copper Co., Waterbury, Conn.
Cincinnati Mfg. Co., Cincinnati, O.
Columbus Brass Co., Columbus, O.
Corbin, P. & F., New Britain, Conn.
Dahlstrom Metallic Door Co., Jamestown, N. Y.
Detroit Hdw. Mfg. Co., Detroit, Mich.
Detroit Works, Detroit, Mich. (Rust Proof)
Fiwale Equipment Mfg. Co., Inc., 64 Reade, New York, N. Y.
Frantz Mfg. Co., Sterling, Ill.
Garden City Plating & Mfg. Co., Chicago, Ill.
Goldhill Hardware Mfg. Co., Los Angeles, Cal.
Griffin Mfg. Co., Erie, Pa.
Hide Leather & Belting Co., Indianapolis, Ind. "Hilab"
Imperial Brass Mfg. Co., Chicago, Ill.
Janusch Mfg. Co., 282 E. 135th, New York, N.Y.
Judd (H. L.) Co., 87 Chambers, New York, N. Y. (Kick)
Kawneer Mfg. Co., Niles, Mich.
Kersten Co., Inc., Chicago, Ill.
Lawson Mfg. Co., Chicago, Ill.
Logan Co., Louisville, Ky.
McKinney Mfg. Co., Pittsburgh, Pa.
Marion Craftsman Tool Co., Marion, Ind. "Craftsman," "Leader," "Magic," "Matowoc"
Meyers (Fred J.) Mfg. Co., Hamilton, O.

PLATES, Kick and Push (Continued)

Micheals Art Bronze Co., Covington, Ky.
Midwest Glass Co., Cincinnati, O. (Glass, Push)
Midwest Hdw. Co., Chicago, Ill.
Milwaukee Stamping Co., Milwaukee, Wis.
National Brass Co., Grand Rapids, Mich. "Essential"
National Brass Mfg. Co., Cincinnati, O.
National Mfg. Co., Sterling, Ill.
New York Brass Turning Co., 568 B'way, New York, N. Y. "Brassturn"
Norwalk Lock Co., 12 Warren, New York, N. Y.
Payson Mfg. Co., Chicago, Ill.
Penn Hdw. Co., Reading, Pa.
Pittsburgh Brass Mfg. Co., Pittsburgh, Pa.
Reading Hdw. Co., Reading, Pa.
Rostand Mfg. Co., Milford, Conn.
Russell & Erwin Mfg. Co., New Britain, Conn. "Russwin"
Sager Lock Works of Yale & Towne Mfg. Co., North Chicago, Ill.
Sargent & Co., New Haven, Conn.
Sargent & Greenleaf, Inc., Rochester, N. Y.
Schlangen Mfg. Co., Chicago, Ill.
Service Mfg. Co., Inc., Chicago, Ill.
Shelby Metal Products Co., Shelby, O. "Standard"
Shelby Spring Hinge Co., Shelby, O.
Slaymaker Lock Co., Lancaster, Pa.
Stover Mfg. & Engine Co., Freeport, Ill.
Technical Glass Co., Inc., 2050 E. 48th, Los Angeles, Cal. (Glass)
Tru-Lite Mfg. Co., Bradford, Pa.
Twentieth Century Brass Wks., Minneapolis, Minn.
Voos Co., Inc., New Haven, Conn.
Yale & Towne Mfg. Co., Stamford, Conn.

PLATES, Mirror Mounting

Brainerd Mfg. Co., East Rochester, N. Y.
Conroy-Prugh Glass Co., Pittsburgh, Pa.
Forman, Ford & Co., Minneapolis, Minn.
Ludwig (A.) & Co., 75 Spring, New York, N. Y.
Sargent & Co., New Haven, Conn.

PLATES, Name

Aetna Stamp & Engraving Co., Inc., Hartford, Conn.
American Safety Lamp & Mine Supply Co., Scranton, Pa.
Auld (D. L.) Co., Columbus, O.
Barrows Lock Wks. of Yale & Towne Mfg. Co., Lockport, Ill.
Central Glass Products Co., Marion, Ind.
Chandler Co., Springfield, Mass.
Corbin, P. & F., New Britain, Conn.
Corbin Cabinet Lock Co., New Britain, Conn.
Dana (C. H.) Co., West Lebanon, N. H.
Dickey Grabler Co., Cleveland, O.
Imperial Brass Mfg. Co., Chicago, Ill.
Lockwood Mfg. Co., Fitchburg, Mass.
Ludwig (A.) & Co., 75 Spring, New York, N. Y.
Meyercord Co., Chicago, Ill.
Murdock Stamp & Specialty Co., Cincinnati, O.
National Aluminum Co., Inc., Racine, Wis. (Town Plates)
Premier Metal Etching Co., 14th & Van Alst, Av., Long Island City, N. Y.
Sager Lock Wks. of Yale & Towne Mfg. Co., No. Chicago, Ill.
Sargent & Co., New Haven, Conn.
Schlangen Mfg. Co., Chicago, Ill.
Shelby Spring Hinge Co., Shelby, O.
Stafford (N.) Co., 53d & 1st Av., B'klyn, N. Y.
Turner Brass Wks., Sycamore, Ill.
U. S. Radium Corp., 535 Pearl, New York, N. Y. (Luminous & Non-Luminous)
Yale & Towne Mfg. Co., Stamford, Conn.

PLATES, Pie

Aluminum Goods Mfg. Co., Manitowoc, Wis.
Aluminum & Metal Products Corp., Buffalo, N. Y. "Magic"
American Aluminum Mfg. Co., Lemont, Ill. "American Maid"
American Aluminum Ware Co., 374 Jeliff Av., Newark, N. J. "Peerless"
American Can Co., 230 Park Av., New York, N.Y.
Atlantic Stamping Co., Rochester, N. Y.
Atlas Tinware Co., 2472 3rd Av., New York, N. Y. "Sure Out"
Behrens (H.) Mfg. Co., Winona, Minn.
Bellaire Enamel Co., Bellaire, O. "Beco"
Fargo Aluminum Co., Taunton, Mass.
Fry (H. C.) Glass Co., Rochester, Pa.
Illinois Pure Aluminum Co., Lemont, Ill. "American Maid"
Kewaskum Aluminum Co., Kewaskum, Wis.
Landers, Frary & Clark, New Britain, Conn.
McAleer (E. J.) & Co., Phila., Pa.
Metal Goods Corp., St. Louis, Mo.
National Enameling & Stamping Co., Milwaukee, Wis.
Porter (C. B.) Co., Phila., Pa. "Royal"
Royalmetal Mfg. Co., Chicago, Ill.
Savory, Inc., 591 Ferry, Newark, N. J.
Schlueter Mfg. Co., St. Louis, Mo.
Stratton & Terstegge Co., Inc., Mfg. Div., Louisville, Ky. "Falls City"
United States Stamping Co., Moundsville, W. Va.
Washburn Company, Worcester, Mass. "Krisp Krust"
Wilmort Mfg. Co., Chicago, Ill.

PLATES, Pipe—See Threaders, Pipe

PLATES, Push—See Plates, Kick and Push

PLATES, Screw—See Screw Plates, Also Taps and Dies

PLATES, Shoe, Base Ball

Brine (Jas. W.) Co., Boston, Mass.
Claflin, Waldo M., Phila., Pa.
Draper-Maynard Co., Plymouth, N. H.
Goldsmith (P.) Sons, Cincinnati, O.
Ideal Cleat Mfg. Co., Racine, Wis.
Johnson (Nestor) Mfg. Co., Chicago, Ill.
Ken-Wel Sporting Goods Co., Utica, N. Y.
Norlund Novelty Co., Williamsport, Pa.
Parker Wire Goods Co., Worcester, Mass. "Broad Tread"
Planet (F. W.) & Sons, Chicago, Ill.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Richardson (Chas. A.), Inc., West Mansfield, Mass.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stall & Dean Mfg. Co., Brockton, Mass.

PLATES, Terne

American Sheet & Tin Co., Pittsburgh, Pa.
Milcor Steel Co., Milwaukee, Wis.
Wheeling Corrugating Co., Wheeling, W. Va.

PLATED FLAT TABLE WARE—See Ware, Table, Flat, Plated

PLATED TABLE WARE—See Ware, Table, Plated

PLATFORM LANTERNS—See Lanterns, Platform

PLATFORM SCALES—See Scales, Platform

PLATFORMS, Truck

Jeliff (Geo. H.) & Sons, New Canaan, Conn.
Orangeville Mfg. Co., Orangeville, Pa.

PLAY CARTS—See Carts, Play

PLAY FLOATS—See Floats, Play

PLAYGROUND EQUIPMENT—See Equipment, Playground

PLAYGROUND SLIDES—See Slides, Toboggan

PLAY HOUSES—See Houses, Play

PLAYING CARDS—See Games, Cards, Playing

PLAYSUITS—See Suits, Children's, Play

PLIERS, AUTOMOBILE—See Pliers, Combination, Also Pliers, Regular

PLIERS, Chain Repair

American Chain Co., Inc., Bridgeport, Conn. "Weed"
Cleveland Chain & Mfg. Co., Cleveland, O.
Forged Steel Products Co., Newport, Pa. "Vacuum Grip"
St. Pierre Chain Corp., Worcester, Mass.
Schriver (O. P.) Co., Cincinnati, O. "I. X. L."

PLIERS, Combination

American Swiss File & Tool Co., Elizabeth, N. J.
Arcade Mfg. Co., Freeport, Ill.
Barcalo Mfg. Co., Buffalo, N. Y. "Bull Dog," "Sure Grip"
Bear Mfg. Co., Rock Island, Ill. "Non-Slip"
Bergman Tool Mfg. Co., Buffalo, N. Y. "Blue Bird" (Battery, also Side Cutting)
Billings & Spencer Co., Hartford, Conn. "Triangle B"
Bonney Forge & Tool Wks., Allentown, Pa.
Bridgeport Hdw. Mfg. Corp., Bridgeport, Conn. "Matchless"
Buffum (Frank G.) Mfg. Co., Louisiana, Mo.
C-K-R Company, Cleveland, O.
Chicago Tool & Kit Mfg. Co., Chicago, Ill. "C-T-K"
Crescent Tool Co., Jamestown, N. Y. "Crestoloy," "S. & H"
Danielson (J. P.) Co., Jamestown, N. Y.
Diamond Calk & Horseshoe Co., 4622 Grand Av., Duluth, Minn.
Fairmount Tool & Forging Co., Cleveland, O.
Flash Sales Corp., Chicago, Ill. "PlieRench"
Forged Steel Products Co., Newport, Pa. "Vacuum Grip"
Gray Iron Foundry Co., Reading, Pa.
Grey Iron Casting Co., Mount Joy, Pa.
Grobet File Corp. of America, 3 Park Pl., New York, N. Y.
Harold (H. J.) Tool Co., Columbiana, O.
Kant Slip Plier & Tool Co., Chicago, Ill.
Kilborn & Bishop Co., New Haven, Conn. "Green Line"
Klein (Mathias) & Sons, 3200 Belmont Av., Chicago, Ill.
Kraeuter & Co., 575 18th Av., Newark, N. J. "Gripall," "Griptite," "Victor"
Littlestown Hdw. & Fdry. Co., Littlestown, Pa.
Marion Craftsman Tool Co., Marion, Ind.
McKaig-Hatch Co., Inc., Buffalo, N. Y.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Milwaukee Tool & Forge Co., So. Milwaukee, Wis.
Noble & Westbrook Mfg. Co., East Hartford, Conn. "Carlson"
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Phoenix Hdw. Mfg. Co., Buffalo, N. Y.
Schollhorn (Wm.) Co., New Haven, Conn. "Bernard"
Stanley Wks., New Britain, Conn.
Stover Mfg. & Engine Co., Freeport, Ill.
U. S. Lock & Hdw. Co., Columbia, Pa.
Utica Drop Forge & Tool Co., Utica, N. Y.
Vlchek Tool Co., 3006 E. 87th, Cleveland, O.
Wilde Drop Forge & Tool Co., Inc., Kansas City, Mo.
Wrightsville Hdw. Co., Wrightsville, Pa.

PLIERS, Electricians'

Billings & Spencer Co., Hartford, Conn. "B. & S."
Cincinnati Tool Co., Montgomery Rd., Cincinnati, O. "Hargrave"
Crescent Tool Co., Jamestown, N. Y. "Crestoloy," "S. & H."
Flash Sales Corp., Chicago, Ill. "PlieRench"
Forged Steel Products Co., Newport, Pa. "Vacuum Grip"
Grobet File Corp. of America, 3 Park Pl., New York, N. Y.
Kilborn & Bishop Co., New Haven, Conn. "Green Line"
Klein (Mathias & Sons, 3200 Belmont Av., Chicago, Ill.
Kraeuter & Co., 575 13th Av., Newark, N. J. "Dreadnaught," "Victor"
Master Plier Corp., Forest Park, Ill.
Noble & Westbrook Mfg. Co., East Hartford, Conn. "Carlson"
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Sandvik Saw & Tool Corp., Minneapolis, Minn. "Bergs" (Imported)
Schollhorn (Wm.) Co., New Haven, Conn. "Bernard," "Paragon"
Schriver (O. P.) Co., Cincinnati, O. "I. X. L."
Starrett (L. S.) Co., Athol, Mass.
Triangle Conduit Co., Inc., Dry Harbor Rd. & Cooper Av., B'klyn, N. Y. (Stripping Armored Cable)
Utica Drop Forge & Tool Co., Utica, N. Y.

PLIERS, Expansion

Flash Sales Corp., Chicago, Ill. "PlieRench"
Forged Steel Products Co., Newport, Pa. "Vacuum Grip"
Starrett (L. S.) Co., Athol, Mass.

PLIERS, Eyelet

Schollhorn (Wm.) Co., New Haven, Conn. "Bernard"

PLIERS, Gas

Barcalo Mfg. Co., Buffalo, N. Y.
C-K-R Company, Cleveland, O.
Chicago Tool & Kit Mfg. Co., Chicago, Ill.
Cincinnati Tool Co., Montgomery Rd., Cincinnati, O. "Hargrave"
Crescent Tool Co., Jamestown, N. Y. "Crestoloy," "S. & H."
Danielson (J. P.) Co., Jamestown, N. Y.
Ennis Mfg. Co., Reading, Pa.
Flash Sales Corp., Chicago, Ill. "PlieRench"
Gray Iron Foundry Co., Reading, Pa.
Grey Iron Casting Co., Mt. Joy, Pa.
Herbrand Co., Fremont, O. "Diamond H"
Johnson (William), Inc., 36 Brenner, Newark, N. J.
Kilborn & Bishop Co., New Haven, Conn. "Green Line," "K-B"
Kraeuter & Co., 575 18th Av., Newark, N. J.
Noble & Westbrook Mfg. Co., East Hartford, Conn. "Carlson"
Osborne (C. S.) & Co., Box 183, Newark, N. J.
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Schollhorn (Wm.) Co., New Haven, Conn. "Lodi"
Stortz (John) & Son, Phila, Pa.
Stover Mfg. & Engine Co., Freeport, Ill.
U. S. Lock & Hdw. Co., Columbia, Pa.
Utica Drop Forge & Tool Co., Utica, N. Y.
Vaughan & Bushnell Mfg. Co., Chicago, Ill. "V. & B."
Wrightsville Hdw. Co., Wrightsville, Pa.

PLIERS, Glass

Fletcher, Terry Co., Forestville, Conn.
Smith (Landon P.), Inc., 130 Coit, Irvington, N. J. "Red Devil"
Utica Drop Forge & Tool Co., Utica, N. Y.

PLIERS, Insulated—See Pliers, Electricians'

PLIERS, Linemen's—See Pliers, Electricians'

PLIERS, Repair—See Pliers, Chain Repair

PLIERS, Regular

(See also Nippers; also Pincers)

Bridgeport Hdw. Mfg. Corp., Bridgeport, Conn. "Radio-Lectric"
Cincinnati Tool Co., Montgomery Rd., Cincinnati, O. "Hargrave"
Crescent Tool Co., Jamestown, N. Y. "Crestoloy," "S. & H."
Dicke Tool Co., Downers Grove, Ill.
Flash Sales Corp., Chicago, Ill. "PlieRench"
Forged Steel Products Co., Newport, Pa. "Vacuum Grip"
Grey Iron Casting Co., Mt. Joy, Pa.
Grobet File Corp. of America, 3 Park Pl., New York, N. Y.
Hart (H. C.) Mfg. Co., Unionville, Conn.
Klein (Mathias) & Sons, 3200 Belmont Av., Chicago, Ill.
Kraeuter & Co., 575 18th Av., Newark, N. J. "Dreadnaught," "Victor"
Milwaukee Tool & Forge Co., So. Milwaukee, Wis.
Osborne (C. S.) & Co., Box 183, Newark, N. J.
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Sandvik Saw & Tool Corp., Minneapolis, Minn. "Bergs" (Imported)
Schollhorn (Wm.) Co., New Haven, Conn. "Bernard," "Lodi," "Paragon"
Stanley Wks., New Britain, Conn. "Sure Grip"
Utica Drop Forge & Tool Co., Utica, N. Y.
Vichek Tool Co., Cleveland, O.

PLIERS, SLIP JOINT—See Pliers, Combination

PLOW BOLTS—See Bolts, Plow

PLOW CLEVISES—See Clevises, Plow

PLOW DOUBLETREES—See Singletrees, Doubletrees and Plow and Wagon

PLOW HAMMERS—See Hammers, Engineers'

PLOW HANDLES—See Handles, Plow

PLOW LINES—See Lines, Plow

PLOW SINGLETREES—See Singletrees and Doubletrees, Plow and Wagon

PLOWS, CONTRACTORS'—See Plows, Grading

PLOWS, Garden

Acme-Springfield Planter Co., Springfield, O.
Allen (S. L.) & Co., Phila., Pa. "Planet, Jr."
American Fork & Hoe Co., Cleveland, O. "American Gardener," "Standard," "True Temper"
Avery (B. F.) & Sons, Louisville, Ky.
Bailor Cultivator Co., Atchison, Kan.
Bridgewater Plow Corp., Bridgewater, Va. "Leader" "Superior," "Thomas," "Virginia"
Finly-Hardy Co., Inc., Louisville, Ky. "Try Me"
Brown Mfg. Co., Zanesville, O. "Dixie," "Perfection"
Brown-Manly Plow Co., Malta, O. "Rival," "Star"
Crescent Forge & Shovel Co., Havana, Ill.
Dee & Ess Specialty Corp., Cassadaga, N. Y.
Dutton (E. Q.) & Co., Cato, N. Y.
Fairfield Plow Wks., North Fairfield, O. "Rural," "Wizzard"
Federal Foundry Supply Co., Cleveland, O.
Franklin Equipment Co., Monticello, Ia.
Gill Mfg. Co., Cedar Rapids, Ia.
Gerschel (R.) Mfg. Co., Peoria, Ill.
Hudson (H. D.) Mfg. Co., Chicago, Ill.
Illy (G. A.) Plow Co., Longview, Tex.
Jean (Roderick) Mfg. Co., Mansfield, O. "Favorite"
King & Alstatter Co., Hamilton, O. "Hamilton"
Moore Plow & Implement Co., Greenville, Mich. "Gem"
Percross (C. S.) & Sons, Bushnell, Ill.
Pio Cultivator Co., Bellevue, O. "Climax," "Dexter"
Royal Mfg. Co., Toledo, O.
Sieman Harvester Co., Inc., Albert City, Ia.
Thornburgh Mfg. Co., Bowling Green, O.
Towers & Sullivan Mfg. Co., Rome, Ga. "Jewell," "Safety"
Waitaker Mfg. Co., Chicago, Ill. "Azak," "Chicago," "Kokomo"

PLOWS, Ice

Aiman Ice Tool Wks., Branchville, Conn.
Catsburg Ice Tool Works, Staatsburg-on-the-Hudson, N. Y.

PLUG CUTTERS—See Cutters, Plug

PLUG AND PIN HOSE SPANNERS—See Spanners, Pin Hose and Plug

PLUG TAPS—See Taps, Machinists', Hand

PLUGS, Attachment

American Electric Co., Chicago, Ill. "Ajax"
Anylite Elec. Co., Fort Wayne, Ind.
Grip Chain Co., Inc., Glens Falls, N. Y.
Arrow-Hart & Hegeman Electric Co., Hartford, Conn. (Also Bakelite)
Beaver Mfg. Co., Newark, N. J. (Handle Cap)
Benjamin Elec. Mfg. Co., Chicago, Ill.
Betts & Betts Corp., 544 12th Av., New York, N. Y.
Bryant Elec. Co., Bridgeport, Conn. "D D"
Circle F Mfg. Co., Trenton, N. J.
Collyer Insulated Wire Co., Pawtucket, R. I.
Connecticut Elec. Mfg. Co., Bridgeport, Conn.
Connecticut Molded Products Corp., Meriden, Conn.
Coto-Coil Co., Providence, R. I.
Eagle Elec. Mfg. Co., 59 Hall, B'klyn, N. Y.
Electric Co., Hartford, Conn.
Gayner Elec. Co., Inc., Bridgeport, Conn.
General Elec. Co., Schenectady, N. Y.
Gladiator Mfg. Co., Auburn, Ind.
Hubbell (Harvey) Inc., Bridgeport, Conn.
Johnson (Wm. P.) Elec. Co., Minneapolis, Minn.
Metropolitan Elec. Mfg. Co., Boulevard at 14th, Long Island City, N. Y.
Miller Co., Meriden, Conn. "Twinlet"
Monowatt Electric Corp., Chrysler Bldg., New York, N. Y.
Neidig, James M., Harrisburg, Pa.
Pass & Seymour, Syracuse, N. Y.
Propp (M.) Co., 524 B'way, New York, N. Y.
Ren Mfg. Co., Winchester, Mass. "Pull-A-Plug"
Rodale Mfg. Co., 200 Hudson, New York, N. Y.
Smith (T. C.) & Co., Phila., Pa.
U. S. Electric Mfg. Corp., 222 W. 14th, New York, N. Y.
Waage Elec. Co., Chicago, Ill.
Watlow Electric Mfg. Co., St. Louis, Mo.
Weber Electric Co., Schenectady, N. Y.
White Beauty Elec. Co., Inc., Chicago, Ill.
Wood (C. D.) Electric Co., 565 B'way, New York, N. Y. "Woodwin"

PLUGS, Boiler Repair

Afco Mfg. & Sales Co., Cleveland, O. "Jiffy"
Columbia Nut & Bolt Co., Bridgeport, Conn.
Hold (T.) Mfg. Co., Cleveland, O. "Tomahawk"

PLUGS, Electric Heater

Arrow-Hart & Hegeman Electric Co., Hartford, Conn. (Bakelite)
Beaver Mfg. Co., 625 N. 3rd, Newark, N. J.
Bryant Electric Co., Bridgeport, Conn. "Hemco"

PLUGS, Expansion

Rawlplug Co., 98 Lafayette, New York, N. Y.
Stop-Plug Co., Inc., Chicago, Ill.
Wrought Washer Mfg. Co., Milwaukee, Wis.

PLUGS and FEATHERS

Drew (C.) & Co., Kingston, Mass.
Hess (Chas.) Co., 49-14 Metropolitan Av., B'klyn, N. Y.

PLUGS, Fuse

Arrow-Hart & Hegeman Electric Co., Hartford, Conn.
Bryant Electric Co., Bridgeport, Conn. "Pyrotite"
Everbest Battery Co., 257 W. 17th, New York, N. Y. "Guardian"
General Electric Co., Schenectady, N. Y.
Horan (E. S.) Co., Carlstadt, N. J.
Kirkman Engineering Corp., 1 Dominick, New York, N. Y. "K-E"
Royal Electric Co., Boston, Mass. (Glass) "Clear Top," "Kantark"
Trico Fuse Mfg. Co., Milwaukee, Wis. "Clear Top," "Colortop," "Kantark"

PLUGS, Pipe

Allen Mfg. Co., Hartford, Conn.
Elco Tool & Screw Corp., Rockford, Ill.
Lamson & Sessions Co., Cleveland, O.
Lincoln Brass Wks., Detroit, Mich.
Malleable Iron Fittings Co., Branford, Conn.
Rowe (Henry) Mfg. Co., Newaygo, Mich.
Stiles (H. A.) & Co., Boston, Mass.
Walworth Co., Boston, Mass.

PLUGS, Socket, Electric

American Electric Co., Chicago, Ill. "Ajax"
Anylite Electric Co., Fort Wayne, Ind.
Arrow-Hart & Hegeman Electric Co., Hartford, Conn.
Beaver Mfg. Co., 625 N. 3d, Newark, N. J. "Gripall"
Bersted Mfg. Co., Chicago, Ill. "Super"
Betts & Betts Corp., 544 12th Av., New York, N. Y. "Bi-Lite"
Bryant Electric Co., Bridgeport, Con. "Hemco," "KeNeX"
Circle F. Mfg. Co., Trenton, N. J.
Collyer Insulated Wire Co., Pawtucket, R. I.
Connecticut Electric Mfg. Co., Bridgeport, Conn. "A-1," "Quartap," "Xtra-lite" (Table)
Connecticut Molded Products Corp., Meriden, Conn.
General Electric Co., Schenectady, N. Y. "Standard"
Hubbell (Harvey), Inc., Bridgeport, Conn.
Molding Corp. of America, Providence, R. I.
Monowatt Electric Corp., Chrysler Bldg., New York, N. Y.
Morse (F. W.) Co., Boston, Mass.
Parkersburg Insulating Co., Parkersburg, W. Va. (Weatherproof)
Propp (M.) Co., 524 B'way, New York, N. Y. "One-4-All"
Smith (T. C.) & Co., Phila., Pa.
Wirt Co., Phila., Pa. "Dim-a-Lite"
Woodhead (Daniel) Co., Chicago, Ill. "Safeway"

PLUGS, Spark

A C Spark Plug Co., Flint, Mich.
American Bosch Magneto Corp., Springfield, Mass.
Champion Spark Plug Co., Toledo, O.
Lydon Mfg. Co., Chicago, Ill. "Lynamite"
Rajah Co., Locust Av., Bloomfield, N. J.
Splitdorf Electric Co., 392 High, Newark, N. J. "Green Jacket"

PLUGS, Wooden

Mitchell Brothers Co., Kalaska Handle Co. Div., Cadillac, Mich.
Redlich Mfg. Co., 637 W. Oak, Chicago, Ill.
Rowe (Henry) Mfg. Co., Newaygo, Mich.
Stiles (H. A.) & Co., Boston, Mass.

PLUMB BOBS—See Bobs, Plumb

PLUMBERS' BITS—See Bits, Plumbers'

PLUMBERS' BRASS GOODS—See under Cocks

PLUMBERS' CANDLES—See Candles, Plumbers'

PLUMBERS' CHAIN—See Chain, Plumbers'

PLUMBERS' CHISELS—See Chisels, Plumbers'

PLUMBERS' FORCE CUPS—See Cups, Force

PLUMBERS' FURNACES—See Furnaces and Torches, Gasoline and Kerosene

PLUMBERS' HANGERS—See Hangers, Pipe

PLUMBERS' LEAD GOODS—See Lead Goods, Plumbers'

PLUMBERS' MELTING LADLES—See Ladles, Melting

PLUMBERS' MELTING POTS—See Pots, Melting

PLUMBERS' PIPE HANGERS—See Hangers, Pipe

PLUMBERS' PIPE HOOKS—See Hooks, Pipe

PLUMBERS' SAWS—See Saws, Plumbers'

PLUMBERS' SCRAPERS—See Scrapers, Plumbers'

PLUMBERS' SUPPLIES—See article desired

PLUMBERS' TOOL BAGS—See Bags or Rolls, Tool

PLUMBERS' TOOLS—See Tools, Plumbers'

PLUNGER PUMPS—See Pumps, Plunger

PNEUMATIC GARAGE DOOR OPENERS—See Openers, Garage Door

PNEUMATIC TIRES—See Tires

PNEUMATIC TOOLS—See Tools, Pneumatic

POACHERS, Egg

Aluminum Goods Mfg. Co., Manitowoc, Wis.
Fargo Aluminum Co., Taunton, Mass.
Kreamer (A.) Inc., 307 Kent Av., B'klyn, N. Y.
Lalance & Grosjean Mfg. Co., Woodhaven, L. I., N. Y.
National Enameling & Stamping Co., Milwaukee, Wis.
Republic Metalware Co., Buffalo, N. Y. "Buffalo"
Wolverine Supply & Mfg. Co., Pittsburgh, Pa.

POCKET COMPASSES—See Compasses, Pocket

POCKET KNIVES—See Knives, Pocket

POCKET LEVELS—See Levels, Pocket

POCKET SNIPS—See Snips, Pocket

POCKET TAPES, Steel and Woven—See Tapes, Measuring

POGO STICKS—See Sticks, Jumping

POINT DRIVERS, Glaziers'—See Drivers, Glaziers'

POINTERS, Dowel

Cincinnati Tool Co., Montgomery Rd., Cincinnati, O. "Hargrave"
Stearns (E. C.) & Co., Syracuse, N. Y. "Stearns Ecsco"
Swan (Jas.) Co., Seymour, Conn.

POINTERS, Spoke

Buckeye Mfg. & Foundry Co., Cleveland, O.
Cincinnati Tool Co., Montgomery Rd., Cincinnati, O. "Hargrave"
Southington Mfg. Co., Southington, Conn.
Stearns (E. C.) & Co., Syracuse, N. Y.
Swan (Jas.) Co., Seymour, Conn.
Wood (A. A.) & Sons Co., Atlanta, Ga.

POINTING TROWELS—See Trowels, Plasterers' Masons', Pointing, Etc.

POINTS, Bull

Cincinnati Tool Co., Montgomery Rd., Cincinnati, O.
Fairmount Tool & Forging Co., Cleveland, O.
Drew (C.) & Co., Kingston, Mass.
Granite City Tool Co., Inc., Barre, Vt.
Rainey Mfg. Co., Titusville, Pa.

POINTS, Drill

Millers Falls-Goodell Pratt Co., Greenfield, Mass.
North Bros. Mfg. Co., Phila., Pa. "Yankee"
Oxford Tool Co., Phila., Pa.
Star Expansion Bolt Co., 147 Cedar, New York, N. Y. "Hamrtwist"

POINTS, Drive Well

Dallett, Thos. H., Phila., Pa.
Flint & Walling Mfg. Co., Kendallville, Ind.
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O.
Walworth Co., Boston, Mass.

POINTS, Glaziers'

Atlas Tack Corp., Fairhaven, Mass.
Austin & Eddy, Boston, Mass. "Peerless"
Holland Mfg. Co., Baltimore, Md.
Hubbard & McClary, Windsor, Vt.
Interstate Iron & Steel Co., Chicago, Ill. "Swastika"
Maze (W. H.) Co., Peru, Ill. "Zinc City"
National Sheet Metal Co., Peru, Ill.
Parker Wire Goods Co., Worcester, Mass.
Penn Tack Co., Norristown, Pa.
Ridgely Trimmer Co., Springfield, O.
Shelton Tack Co., Shelton, Conn. "Tiger," "U. S. Standard"
Smith (Landon P.), Inc., 130 Coit, Irvington, N. J. "Red Devil"
Tidioute Tack & Nail Co., Tidioute, Pa.
York Tack & Nail Wks., York, Pa.
Youngstown Steel Products Co., Youngstown, O. "Mark"

POKER CHIPS—See Chips, Poker

POKERS, Fire—See Pokers, Stove

POKERS, Stove

Adams Co., Dubuque, Ia.
Arcade Mfg. Co., Freeport, Ill. "Serpentine," "Siberian"
Dover Stamping & Mfg. Co., Cambridge, Mass.
Fanner Mfg. Co., Cleveland, O. "Arctic"
Gray Iron Fdry. Co., Reading, Pa.
Hess (Chas.) Co., 49-14 Metropolitan Av., B'klyn, N. Y.
Howes (S. M.) Co., Boston, Mass.
Independent Register & Mfg. Co., Cleveland, O.
Lalance & Grosjean Mfg. Co., Woodhaven, L. I., N. Y.
Leetonia Tool Co., Leetonia, O.
Lynd (L. E.) Mfg. Co., Mechanicsville, N. Y. "Zero"
Parker Wire Goods Co., Worcester, Mass.
Pfeifer (John) & Co., Phila., Pa.
Racine Iron & Wire Wks., Racine, Wis.
Savory, Inc., 591 Ferry, Newark, N. J.
Stover Mfg. & Engine Co., Freeport, Ill.
Troy Nickel Wks., Albany, N. Y.
Union Fork & Hoe Co., Columbus, O. "Neverbreak"
Washburn Company, Worcester, Mass. "Eclipse"
Wehrle Co., Newark, O.

POLE EYES—See Eyes, Pole and Shaft

POLE LINE CONSTRUCTION TOOLS—See Tools, Pole Line Construction

POLE LINE HANDLES—See Handles, Pole Line

POLE SOCKETS—See Sockets, Pole

POLES, Bamboo

Abbey & Imbrie, Utica, N. Y.
Heddon's (Jas.) Sons, Dowagiac, Mich.
Horrocks-Ibbotson Co., Dept. S., Utica, N. Y.
Maus, Geo. H., Inc., Amsterdam, N. Y. "Gold Medal"
Medart (Fred) Mfg. Co., St. Louis, Mo.
Shakespeare Co., Kalamazoo, Mich.
South Bend Bait Co., South Bend, Ind. "Cross"
Winchester Repeating Arms Co., New Haven, Conn.

POLES, Clothes

(See also Posts, Clothes)

Banks Steel Post Co., Newark, N. J.
Chicago Curtain Stretcher Co., Chicago, Ill.
Cincinnati Iron Fence Co., Cincinnati, O.
Clark (J. R.) Co., Minneapolis, Minn.
Cyclone Fence Co., Waukegan, Ill.
Page Steel & Wire Co., Monessen, Pa.
Stiles (H. A.) & Co., Boston, Mass.

POLES, Curtain—See Rods, Curtain

POLES, Fishing—See Poles, Bamboo; also Rods, Fishing

POLES, Flag

American Flag Mfg. Co., Easton, Pa.
Anchor Post Fence Co., Baltimore, Md.
Badger Wire & Iron Wks., Milwaukee, Wis.
Banks Steel Post Co., 128 Wakeman Av., Newark, N. J.
Crown Iron Wks. Co., Minneapolis, Minn.
Cyclone Fence Co., Waukegan, Ill.
Everwear Mfg. Co., Springfield, O.
Fiske (J. W.) Iron Wks., 78 Park Pl., New York, N. Y.
Logan Co., Louisville, Ky.
Meyers (Fred J.) Mfg. Co., Hamilton, O.
Newark Steel Post Co., 75 Main, W. Orange, N. J.
Republic Structural Iron Wks., Cleveland, O.
Shaw & Tenny, Orono, Me.
Smith (F. P.) Wire & Iron Wks., Chicago, Ill.

POLES, Pike

American Logging Tool Co., Evart, Mich.
Columbus Handle & Tool Corp. Works of the National Handle Co., Columbus, Ind.
Dicke Tool Co., Downers Grove, Ill.
Dixie Logging Tool Co., Chattanooga, Tenn.
Leach Co., Oshkosh, Wis. "Oshkosh"
Warren Axe & Tool Co., Warren, Pa.

POLES, Ski

Bredenberg Bros., Inc., Champlain, N. Y. "Broadmount"
Maus (Geo. H.), Amsterdam, N. Y. "Gold Medal"
Northland Ski Mfg. Co., St. Paul, Minn.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Strand, M. A., New Richmond, Wis.
Tenney, Frank P., Orona, Me.
Woodstock Mfg. Co., Rochester, N. Y.

POLES, Tennis

Cyclone Fence Co., Waukegan, Ill.
Hellenberger (J. B.) Co., Coldwater, Mich.
Lane (M. R.) & Sons, Ardmore, Pa.
Newark Steel Post Co., 75 Main, West Orange, N. J. "Re-Move-Able"
Northland Ski Mfg. Co., St. Paul, Minn.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.

POLES, Tent

Bogert & Hopper, 223 Varick, New York, N. Y.
Columbus Handle & Tool Corp. Works of the National Handle Co., Columbus, Ind.
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
North Wales Planing Mills, North Wales, Pa.
Oshkosh Mfg. Co., Oshkosh, Wis.
Piqua Handle & Mfg. Co., Piqua, O.
Premax Products, Inc., Niagara Falls, N. Y.
Shaw & Tenny, Orono, Me.
Stevenson Mfg. Co., South Bend, Ind.
Theiling-Lothmann Mfg. Co., St. Louis, Mo.
Textile Products Mfg. Co., St. Louis, Mo.

POLES, Vaulting

Chicago Gymnasium Equipment Co., Chicago, Ill.
Mandl, Bernard, Chicago, Ill.
Maus (Geo. H.) Amsterdam, N. Y. "Gold Medal"
Medart (Fred) Mfg. Co., St. Louis, Mo.
Rawlings Mfg. Co., St. Louis, Mo.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stall & Dean Mfg. Co., Brockton, Mass.

POLICE CLUBS—See Clubs, Police

POLICE WHISTLES—See Whistles, Police

POLISHERS, Electric—See Drills, Grinders and Polishers

POLISHERS, Floor—See Brushes, Floor Polishing; also Machines, Floor, Electric

POLISHERS, Floor, Electric—See Machines, Floor, Electric

POLISHERS, Shoe—See Brushes, Shoe

POLISHES, Aluminum

Boyer Chemical Laboratory Co., Chicago, Ill.
Brillo Mfg. Co., 205 Water, Bklyn., N. Y.
Dewey Specialty & Chemical Co., Phila., Pa.
Samoline Corp., Chicago, Ill.
Skat Co., Hartford, Conn.
S. O. S. Co., Chicago, Ill.

POLISHES, Automobile, Furniture, Etc.

Acme White Lead & Color Wks., Detroit, Mich.
Adams & Elting Co., Chicago, Ill. "Hy-Pol"
Agramid Products Co., College Point, N. Y.
Algoma Mfg. Co., Green Bay, Wis. "Amco"
Allklean Mfg. Co., Young & Van Dam, Long Island City, N. Y.
American Automobile Accessories Co., Cincinnati, O "Dri-Klean-It"
American Polish Co., Chicago, Ill. "Eagle Brand," "Kolortone Autoshyne"
American Povar Corp., 55 34th, Bklyn., N. Y.
American Textile Products Co., E. Cleveland, O. "No-Mar"
Armiger Chemcial Co., Chicago, Ill. "Rex"
Arnstein, Eugene, Chicago, Ill. "Century"
Baum's Castorine Co., Rome, N. Y.
Beardsley Specialty Co., Inc., Rock Island, Ill.
Ben-Hur Metal Polish Co., Crawfordsville, Ind.
Bettes (A. O.) Mfg. Co., Kansas City, Mo.
Billings-Chapin Co., Cleveland, O. "Reflectal"
Boston Blacking Co., Cambridge, Mass. "Be-Be-Co."
Boston Varnish Co., Boston, Mass. "Nulustre"
Bowes "Seal Fast" Corp., Indianapolis, Ind. "$1000 Bond"
Boyer Chemical Laboratory Co., Chicago, Ill. "Beechwood," "Liquid Beauty"
Boyle (A. S.) Co., Cincinnati, O. "Old English"
Bradley & Vrooman Co., Chicago, Ill. "Perma-Lac."
Brooks (Clarence) & Co., 249 Chestnut, Newark, N. J.
Burchard Blacking & Oil Co., Baltimore, Md. "Easy Method"
Burgess (C. F.) Laboratories, Chicago, Ill.
Butcher Polish Co., Boston, Mass. "Boston"
Cassene Mfg. Co., St. Louis, Mo.
Cassetty Oil & Grease Co., Nashville, Tenn.
Cedar Hill Formulae Co., New Britain, Conn. "Pollo"
Chamberlain-Haber Chemical Co., Cleveland, O. "Presto"
Chance Co., Centralia, Mo. "Shine Ever"
Clean Home Products Corp., Chicago, Ill. "Sun Ray"
Climax Cleaner Mfg. Co., Cleveland, O.
Columbus Varnish Co., Columbus, O. "Peerless"
Common-Sense Mfg. Co., St. Louis, Mo. "C. S."
Con-Ferro Paint & Varnish Co., St. Louis, Mo. "Eureka"
Damon Mfg. Co., Chicago, Ill. "999"
Detroit White Lead Wks., Detroit, Mich. "Rogers Auto-Brite"
Devil Grip Mfg. Co., Hopkinsville, Ky.
Diamond Polish Co., Washington, Pa.
Dielectric Mfg. Co., St. Louis, Mo.
Du-All Mfg. Co., Geneva, O.
DuPont (E. I.) de Nemours & Co., Inc., Chemical Products Div., Parlin, N. J. "Duco"
Durkee-Atwood Co., Minneapolis, Minn. "Re-Nu," "Rie-Nie"
Eberson-Lindsley Paint Co., St. Louis, Mo.
Ensign Refining Co., Cleveland, O. "Polishem"
Ever-Nu Mfg. Co., 115 Young, Long Island City, N. Y.
Fairchild (M. H.) & Bro., Chicago, Ill.
Feasel's (H. L.) Laboratory, Larchmont, N. Y. "High Lustre Finish"
Fiebing Chemical Co., Milwaukee, Wis. "Victor"
Foy Paint Co., Inc., Cincinnati, (Norwood), O.
Fromeyer & Co., Cincinnati, O. "Jewel"
Gem Hammock & Fly Net Co., Milwaukee, Wis. "Sprustex"
Golden Star Polish Co., Kansas City, Mo.
Grady Mfg. Co., 250 Ely Av., Long Island City, N. Y. "National," "Var-Clean"
Green Bay Supply Co., Green Bay, Wis. "Gee-Bee"
Hall-Thomson Co., Hartford, Conn. "Brilliant Lustre," "Wonder Worker"
Harvey Chemical Co., Wickliffe, O. "Lin-Lac."
Heaney Mfg. Co., Boston, Mass. "Revivo"
Heller (B.) & Co., Chicago, Ill.
Hertzberg (H.) & Son, 41 E. 11th, New York, N.Y. "Cleansbest"
Hill-Smith Metal Goods Co., Boston, Mass.
Hoffman (Geo. Wm.) Co., 6 Cliff, New York, N. Y. "Gold Medal"
Hollingshead (R. M.) Co., Camden, N. J. "Whiz"
Household Products Co., Toledo, O. "Hayden's," "Ruby Gloss"
Howard Dustless Duster Co., Boston, Mass.
Indianapolis Paint & Color Co., Indianapolis, Ind. "Auto-Gloss," "Capital City"
Instant Products Co., Buffalo, N. Y. "Life-O-Wood"
International Metal Polish Co., Indianapolis, Ind. "Blue Ribbon"
Jaffa Co., Cleveland, O.
Jensen-Kohlert Mfg. Co., St. Charles, Ill. "J. K. Bliss"
Johnson (S. C.) & Son, Racine, Wis. "Auto-Lak"
Justice (A. R.) Co., Phila., Pa.
Kimball (C. M.) Co., Winthrop, Mass. "Red Cap"
Lac-Mar Co., Canton, O.
Larkin Specialty Co., Boston, Mass. "Larkene"
Larkins Chemical Co., Pasadena, Cal. "Oil of Delight"
Leads All Mfg. Co., 775 Lexington Av., B'klyn, N. Y.
Le Doyen, Frank J., Baltimore, Md. "Var Noil"
Liberty Chemical Works, Chicago, Ill.
Liquid Veneer Corp., Buffalo, N. Y. "Washine"
Livingston Co., New Haven, Conn. "I. C. U."
Lord (F. T.) Polish Co., Cambridge, Mass. "Sun-Glo"
Lowe Bros. Co., Dayton, O.
Lucas (John) & Co., Phila., Pa. "Auto Klean"
Lyknu Polish Mfg. Co., Pittsburgh, Pa.
Lyon & Healy, Chicago, Ill. "Zol"
McDougall Paint Co., Buffalo, N. Y.
McKesson & Robbins, Inc., Bridgeport, Conn. "All Purpose," "Woodtone"
Mackenzie-Waterhouse Co., Seattle, Wash. "Silverine"
Meadowcroft Chemical Co., Saybrook, Conn. "Rite-Brite"
Midway Chemical Co., Chicago, Ill. "Autobrite," "Cedar Brite"
Miller (Frank) Co., Camden, N. J.
Miller Mfg. Co., Toledo, O.
Milmore Corp., South Bend, Ind.
Minard Co., Framingham, Mass. "Ol-In-Ol"
Mirrorlike Mfg. Co., Queens Blvd., Long Island City, N. Y. "Reviva"
Moore (E. B.) & Co., Chicago, Ill.

POLISHES, Automobile, Furniture, Etc. (Continued)

Moore Oil Refining Co., Cincinnati, O. "Mooregloss"
Morgan Mfg. Co., Keene, N. H. "Nugloss"
National Rubber & Specialties Co., Cincinnati, O. "Nasasco"
New Life Co., Lansing, Mich.
New Method Varnish Co., Elmira, N. Y. "Uncle Hiram's"
Noble Piano Co., Detroit, Mich. "Nikl-Shine"
Northwestern Chemical Co., Marietta, O. "Norwesco"
Noxon Chemical Products Co., 70 Morris Av., Newark, N. J.
Nu-Back Mfg. Co., St. Louis, Mo. "Body-Nu"
Nu-Dell Products Co., Chicago, Ill. "Creme de Chine"
O-Cedar Corp., Chicago, Ill.
Panvar Co., Phila., Pa. "Panol"
Parker (C. W.) Co., Inc., Des Moines, Ia.
Peerless Sal-O-Well Co., Inc., Buffalo, N. Y. "Sal-O-Well"
Perfection Polish Co., Waverly, N. Y. "Ingham's"
Perma-Loc Mfg. Co., Wilkes-Barre, Pa.
Permatex Co., Sheepshead Bay, N. Y.
Pimbley Paint & Glass Co., St. Joseph, Mo. "Auto-Newer"
Pioneer Mfg. Co., Cleveland, O. "Shino"
Pittsburgh Utilities, Inc., 11 W. 42nd, New York, N. Y.
Polac Co., Boston, Mass.
Poughkeepsie Utilities Corp., Poughkeepsie, N. Y. "Utility"
Pratt (W. A.) Mfg. Co., 333 W. 52nd, New York, N. Y. "Clean-O-Shine"
Pure Oil Co., Minneapolis, Minn. "Puritan"
Puritan Soap Co., Rochester, N. Y.
Queen City Specialty Co., Buffalo, N. Y. "Home-Bright"
Rath Mfg. Co., Phila., Pa. "Nish"
Ray Mfg. Co., Phila., Pa.
Red Line, Inc., Grand Rapids, Mich.
Rentz (C. J.) Co., Cincinnati, O.
Reuss Polish Co., Milwaukee, Wis.
Rexine Co., Sheboygan, Wis. "E-Z-Kleen"
Roberts (C. F.) Co., Detroit, Mich. "Splendola"
Robertson (Theo. B.) Products Co., Chicago, Ill. "20th Century"
St. Cloud Drug Co., Phila., Pa. "V-C"
Samoline Corp., Chicago, Ill. "Pullman"
Sani-Mist Co., New London, Conn.
Sanozone Chemical Co., Phila., Pa.
Satin Spray Co., Cambridge, Mass.
Sawyer (Howard B.) Oil Co., Boston, Mass. "Blue Ribbon"
Scientific Mfg. Co., Scranton, Pa. "All-in-One," "Force"
Shannon, T. R., Hartford, Conn. "Rapid"
Sherwin-Williams Co., Cleveland, O. "Polish-Ol"
Simons Mfg. Co., Chicago, Ill. "Simoniz"
Sisk (R. J.) Co., New London, Conn.
Socony-Vacuum Specialties, Inc., 26 B'way, New York, N. Y.
Soule (W. E.) Co., Portland, Me. "Gee Bee"
Sparkler Mfg. Co., Fairmount, Ind.
Standard Varnish Wks., 386 4th Av., New York, N. Y. "Quickwork"
Stanley (John T.) Co., 642 W. 30th, New York, N. Y. "Mobo"
Stewart-Warner Corp., Chicago, Ill.
Super-Glos Mfg. Co., San Francisco, Cal.
Sutherland (P.) & Co., Boston, Mass.
Suydam (M. B.) Co., Pittsburgh, Pa. "Majestic," "Monarch"
Tay-Miller Mfg. Co., Phila., Pa. "Kleano," "T-M Gloss"
Thompson Specialties, Inc., Springfield, Mass. "Tip-Top"
Tobey Furniture Co., Chicago, Ill.
Tumblers' (J. A.) Laboratories, Baltimore, Md.
Ulrich & Co., Buffalo, N. Y. "A. O. K."
U. S. Mfg. Corp., Decatur, Ill. "Lusterine"
Van Cleef Bros., Chicago, Ill. "Varni-Brite"
Vaporine Co., Chicago, Ill.
Varni-Shine Co., Columbus, O.
Vernay (Arthur S.), Inc., 19 E. 54th, New York, N. Y. "Vernax"
Victorlene Co., Boston, Mass.
Visco Motor Oil Co., Cleveland, O.
Vulcanite Products Co., Phila., Pa.
Wadsworth-Howland Co., Chicago, Ill. "Jewel"
Warner-Patterson Co., Chicago, Ill.
Waxit Mfg. Co., Minneapolis, Minn.
Weiss Polish Wks., Chicago, Ill. "Mat's"
Westfield Chemical Co., Westfield, Mass. "Zit"
White & Bagley Co., Worcester, Mass. "Oilzum"
Whitman, Bayard J., Boston, Mass. "Blue Stripe"
Willey (C. A.) Co., Hancock St., Long Island City, N. Y. "Eclipse"
Wilson-Imperial Co., 115 Chestnut, Newark, N. J. "Imperial"
Wizard, Inc., Chicago, Ill.
Wonder-Mist Polish Co., Melrose, Mass.
Woodtite Laboratories, Modesto, Cal. "Kantmar"
Woolsey (C. A.) Paint & Color Co., 500 Grand, Jersey City, N. J.

POLISHES, Floor

(See also Polishes, Wax and Wax Polish, Liquid)

Baltimore Paint & Color Wks., Inc., Baltimore, Md. "LadyLike"
Bonquet-Brownson Co., Inc., St. Paul, Minn. "Bo-Kay"
Boyer Chemical Laboratory Co., Chicago, Ill.
Boyle (A. S.) Co., Cincinnati, O. "Monogram"
Butcher Polish Co., Boston, Mass. "Boston"
Chamberlain-Haber Chemical Co., Cleveland, O. "Presto"
Ensign Refining Co., Cleveland, O. "Polishem"
Felco Mfg. & Products Co., 2243 Washington Av., New York, N. Y. "Nu Wax"
Foy Paint Co., Inc., Cincinnati, (Norwood), O.
Fromeyer & Co., Cincinnati, O. "Jewel"
Gem Hammock & Fly Net Co., Milwaukee, Wis. "Sprustex"
Glidden Co., Cleveland, O.
Hertzberg (H.) & Son., 41 E. 11th, New York, N. Y. "Cleansbest"
Indian Refining Co., Lawrenceville, Ill.
Johnson (S. C.) & Son, Racine, Wis.
Leiner (G. S.) & Co., 1280 Brook Av., New York, N. Y.
Liquid Veneer Corp., Buffalo, N. Y.
McKesson & Robbins, Inc., Bridgeport, Conn. "All Purpose"
Midway Chemical Co., Chicago, Ill. "Radiant," "Woodbrite"
Miller Mfg. Co., Toledo, O.
Miracul Mfg. Co., St. Louis, Mo. "Dri-Brite"
Moore (E. B.) & Co., Chicago, Ill.
O-Cedar Corp., Chicago, Ill.
Orient Spray Co., Boston, Mass.
O-U-Dust Co., Los Angeles, Cal.
Peerless Products Co., Los Angeles, Cal.
Sisk (R. J.) Co., New London, Conn.
Snyder (E. L.) & Co., Canton, O. "Beautikote"
Socony-Vacuum Specialties, Inc., 26 B'way, New York, N. Y.
Thompson Specialties, Inc., Springfield, Mass. "Tip-Top"
Tucker Duck & Rubber Co., Fort Smith, Ark. "Kantskratch"
Wonder-Mist Polish Co., Melrose, Mass.
Worth-More Polish Co., Chicago, Ill.

POLISHES, Furniture—See Polishes, Automobile, Furniture, Etc.

POLISHES, Metal

Adams & Elting Co., Chicago, Ill. "Shinite"
Allen (L. B.) Co., Inc., Chicago, Ill. (Stainless Steel)
Allklean Mfg. Co., Young & Van Dam, Long Island City, N. Y.
American Lacquer Solvents Co., Norristown, Pa.
American Metal Polish Corp., Cambridge, Mass. "Meyers," "North Star," "Puts Cream," "Universal Puts Pomade"
American Polish Co., Chicago, Ill. "Autokleen," "Eagle Brand"
American Soap & Washoline Co., Cohoes, N. Y. "I C U"
American Standard Mfg. Co., Chicago, Ill.
Arco Co., Cleveland, O.
Armiger Chemical Co., Chicago, Ill. "Rex"
Arnstein, Eugene, Chicago, Ill. "Shine-All"
Atlantic Chemical Co., Irvington, N. J. "No-Tarnish"
Baum's Castorine Co., Rome, N. Y.
Beardsley Specialty Co., Inc., Rock Island, Ill. "Besco"
Becker, John D., Gettysburg, Pa. "Magic Luster"
Ben Hur Metal Polish Co., Crawfordsville, Ind.
Bennett (E. W.) & Co., San Francisco, Cal. "Brilliantshine"
Bettes (A. O.) Mfg. Co., Kansas City, Mo.
Boston Blacking Co., Cambridge, Mass. "Be-Be-Co."
Bowes "Seal-Fast" Corp., Indianapolis, Ind.
Boyer Chemical Laboratory Co., Chicago, Ill. "3 B"
Campbell Paint & Varnish Co., St. Louis, Mo. "Star"
Chamberlain-Haber Chemical Co., Cleveland, O. "Met-L-Shyn," "Presto"
Chemical Supply Co., Cleveland, O.
Clean Home Products Corp., Chicago, Ill. "Sun Ray"
Cleaner Mfg. Co., St. Louis, Mo. "Polishine"
Colgan Mfg. & Supply Co., 50 Water, New York, N. Y. "Crescent"
Con-Ferro Paint & Varnish Co., St. Louis, Mo. "Eureka"
Cudahy Packing Co., Chicago, Ill. "Parrot"
Curry Bros. Oil Co., Boston, Mass. "Superba"
Damon Mfg. Co., Chicago, Ill. "999"
Detroit White Lead Wks., Detroit, Mich. "Rogers"
Dewey Specialty & Chemical Co., Phila., Pa.
Diamond Polish Co., Washington, Pa.
Dielectric Mfg. Co., St. Louis, Mo.
Du Pont (E. I.) de Nemours & Co., Inc., Chemical Products Div., Parlin, N. J. "Metalshine"
Durkee-Atwood Co., Minneapolis, Minn. "Rie-Nie"
Ericka Mfg. Co., Springfield, Mass. "Shineaul"
Essex Paint & Chemical Co., Essex, Conn. "Best of All"
Ever-Brite Products Co., Inc., East Liverpool, O.
Ever-Nu Mfg. Co., 115 Young, Long Island City, N. Y.
Fairchild (M. H.) & Bros., Chicago, Ill.
Fiebing Chemical Co., Milwaukee, Wis. "Lusterine"
Flash Chemical Co., Cambridge, Mass.
Foy Paint Co., Inc., Cincinnati, (Norwood), O.
Garratt-Callahan Co., Chicago, Ill.
Golden Star Polish Mfg. Co., Kansas City, Mo.
Grady Mfg. Co., 250 Ely Av., Long Island City, N. Y. "Army & Navy," "Cremo," "Glittershine," "Golden Glitter," "Mooney's," "Scouree," "Summershine"
Great Western Oil Co., Cleveland, O. "G. W."
Hall-Thompson Co., Hartford, Conn. "Nick-E-Lo," "Wonder Worker"
Harlem Supply Co., Baltimore, Md. "Briteline"
Harris (A. W.) Oil Co., Providence, R. I.
Heany Mfg. Co., Boston, Mass. "Revivo"
Heller (B.) & Co., Chicago, Ill. "Golden Gloss Shin"
Hinds & Coon, Boston, Mass. "Ruby-Rub"
Hoffman Paint & Varnish Co., Boston, Mass. "Anchor"
Hollingshead (R. M.) Co., Camden, N. J. "Whiz"
Indianapolis Paint & Color Co., Indianapolis, Ind. "Capital City," "Metal-Brite"
International Metal Polish Co., Indianapolis, Ind. "Blue Ribbon"
Jewel Paint & Varnish Co., Chicago, Ill.
Johnston (R. F.) Paint Co., Cincinnati, O.
Justice (A. R.) Co., Phila., Pa. "U-Kan-Plate"
Kemoshyne Products, Inc., Camden, N. J.
Kettler Brass Mfg. Co., Houston, Tex. "Quick Work"
Kimball (C. M.) Co., Winthrop, Mass. "Red Cap"
Larkin Specialty Co., Boston, Mass. "Velo"
Liberty Chemical Wks., Chicago, Ill.
Livingston Co., New Haven, Conn. "I. C. U."
Lord (F. T.) Polish Co., Cambridge, Mass. "Car-Brite," "Lumino"
Lynch, Alonzo K., 310 Flushing Av., B'klyn, N. Y. "Zee-Ko"
McLean-Jones Oil & Supply Co., Boston, Mass.
Martin & Martin Chicago, Ill. "E-Z"
Martin-Senour Co., Chicago, Ill.
Matchless Metal Polish Co., Chicago, Ill. "Mexoline," "Tripoline"
Mengo Products Co., Wilkinsburg, Pittsburgh, Pa.
Metal Writing Fluid Mfg. Co., Chicago, Ill. "Stay Bright"
Midway Chemical Co., Chicago, Ill. "Metlbrite"
Miller (Frank) Co., Camden, N. J.
Miller (Walter W.) Co., Indianapolis, Ind. "Barkeeper's Friend," "Gold Medal," "U. S."
Millmore Corp., South Bend, Ind.
Mirrorlike Mfg. Co., Queens Blvd., Long Island City, N. Y.
Moore Oil Refining Co., Cincinnati, O. "Mooreshine"
Mordt Co., Chicago, Ill.
Morgan Mfg. Co., Keene, N. H. "Morganbrite"
Nation Co., Los Angeles, Cal.
National Rubber & Specialties Co., Cincinnati, O. "Pioneer"
National Soap Co., Detroit, Mich. "Quick Work"
New England Oil, Paint & Varnish, Everett, Mass. "Anchor"
New Jersey Paint Wks., Jersey City, N. J. "Bertrams"
New Life Co., Lansing, Mich.
North American Polish Co., Cleveland, O. "Lumo"
Northwestern Chemical Co., Marietta, O.
Noxon Chemical Products Co., 70 Morris Av., Newark, N. J.
Nu-Back Mfg. Co., St., Louis, Mo. "Brass-Nu," "Nickel-Brite"
Nu-Glass Corp., Chicago, Ill.
NuLife Auto-Aid Corp., Hartford, Conn.
Parker Refining Co., Cleveland, O.
Patterson Lubricating Co., Boston, Mass.
Permatite Mfg. Co., Minneapolis, Minn. "E-Fec-Tiv"
Pittsburgh Utilities, Inc., 11 W. 42nd, New York, N. Y.
Prescott (J. L.) Co., Phila., Pa. "A-1"
Puritan Soap Co., Rochester, N. Y.
Queen City Specialty Co., Buffalo, N. Y. "Comet," "Home-Bright"
Rath Mfg. Co., Phila., Pa. "Imperial"
Re-Nu-R Products Co., Minneapolis, Minn.
Reid (W. W.) Mfg. Co., Boston, Mass.
Rexine Co., Sheboygan, Wis. "Maxine"
Roberston & Co., Chicago, Ill. "Red Cross"
Roberston (Theo. B.) Products Co., Chicago, Ill. "XX"
Russia Cement Co., Gloucester, Mass. "Signet"
Samoline Corp., Chicago, Ill.
Scientific Mfg. Co., Inc., Scranton, Pa. "Force"
Sherwin-Williams Co., Cleveland, O.
Skat Co., Hartford, Conn.
Solarine Co., 561 W. 33d, New York, N. Y.
Solshine Mfg. Co., Boston, Mass.
Sonneborn (L.) Sons, 88 Lexington Av., New York, N. Y. "Amalie"
Spear's (Alden) Sons Co., Boston, Mass.
Staedler, Chas., Verona, N. J. "Jiffy"
Stanley (John T.) Co., North River & 30th, New York, N. Y. "Mobo"
Superior Laboratories, Grand Rapids, Mich. "Inawink," "Stovoil"
Sutherland (P.) & Co., Boston, Mass, "German"
Suydam (M. B.) Co., Pittsburgh, Pa. "Monarch"
Sweet, Charles F., Hartford, Conn.
Symond (Joseph H.) Co., Westfield, Mass. "Syco"
Trafton (F. M.) Co., Boston, Mass.
Thompson Specialties, Inc., Springfield, Mass. "Tip-Top"
Ulrich & Co., Buffalo, N. Y. "A-O-K," "Raydo"
Uno Mfg. Co., Chicago, Ill.
Warren Refining & Chemical Co., Cleveland, O. "Perfection"
Wilson-Imperial Co., 115 Chestnut, Newark, N. J. "Imperial"
Wizard Inc., Chicago, Ill.
Wonder-Mist Polish Co., Melrose, Mass.
Woodison (E. J.) Co., Detroit, Mich.

POLISHES, Shoe—See Blackings and Polishes, Shoe

POLISHES, Silver

Absorene Mfg. Co., St. Louis, Mo. "H R H"
American Metal Polish Corp., Cambridge, Mass. "Silva Puts"
Bettes (A. O.) Mfg. Co., Kansas City, Mo.
Boyer Chemical Laboratory Co., Inc., Chicago, Ill. "3B"
Chamberlain-Haber Chemical Co., Cleveland, O. "Presto," "Silvershyn"

POLISHES, Silver (Continued)

Dewey Specialty & Chemical Co., Phila., Pa.
Flash Chemical Co., Cambridge, Mass.
Gorham Co., 576 5th Av., New York, N. Y.
Grady Mfg. Co., 250 Ely Av., Long Island City, N. Y. "U-Re-Ka"
Heller (B.) & Co., Chicago, Ill.
International Metal Polish Co., Indianapolis, Ind. "Blue Ribbon"
International Silver Co., Meriden, Conn.
Justice (A. R.) Co., Phila., Pa. "U-Kan-Plate"
Kimball (C. M.) Co., Winthrop, Mass. "Red Cap"
Landers, Frary & Clark, New Britain, Conn. "Universal"
Larkin Specialty Co., Everett, Boston, Mass. "Silvex"
Matchless Metal Polish Co., Chicago, Ill. "White Diamond"
Midway Chemical Co., Chicago, Ill.
New Life Co., Lansing, Mich.
Peerless Sal-O-Well Co., Inc., Buffalo, N. Y. "Sal-O-Well"
Puritan Soap Co., Rochester, N. Y.
Samoline Corp., Chicago, Ill.
Skat Co., Hartford, Conn.
Solarine Co., 561 W. 33d, New York, N. Y.
Solshine Mfg. Co., Charleston, Mass. "Silvo"
Thompson Specialties, Inc., Springfield, Mass. "Tip-Top"
Volco Mfg. Co., Wichita, Kan.
Wright (J. A.) & Co., Keene, N. H.

POLISHES, Stove

American Ammone Co., 60 Warren, New York, N. Y. "Fyr-Pruf"
Bettes (A. O.) Mfg. Co., Kansas City, Mo. "Ideal"
Chieftain Mfg. Co., Baltimore, Md.
Crow Stove Polish Co., Milwaukee, Wis.
Diamond (John) & Sons, Lansdowne, Pa.
Dixon (Jos.) Crucible Co., Monmouth St., Jersey City, N. J.
Ever-Nu Mfg. Co., 115 Young, Long Island City, N. Y.
Graphite Products Co., San Francisco, Call.
International Metal Polish Co., Indianapolis, Ind. "Blue Ribbon"
Johnson's Laboratory, Inc., Worcester, Mass. "Krust-off," "Stovink"
Lowe Bros. Co., Dayton, O.
Martin & Martin, Chicago, Ill. "E-Z"
Midway Chemical Co., Chicago, Ill. "Stovbrite"
Noxon Chemical Products Co., 70 Morris Av., Newark, N. J.
Prescott (J. L.) Co., Phila., Pa. "Enameline"
Rath Mfg. Co., Phila., Pa. "Imperial"
Richter, Oscar, Milwaukee, Wis.
Royal Worcester Polish Co., Worcester, Mass.
Russia Cement Co., Gloucester, Mass. "Lily," "Signet"
Satin Glass Polish Co., Portland, Me.
Stinson (B. F.) & Co., Buffalo, N. Y. "Easy Bright"
Superior Laboratories, Grand Rapids, Mich. "Inawink," "Stovoil"
Tarbox Mfg. Co., New London, Conn.
United States Graphite Co., Saginaw, Mich.
Utility Co., 636 W. 44th, New York, N. Y. "Uko"
Williams Stove Lining Co., Taunton, Mass. "Eagle"
Wood (Lyman) Mfg. Co., Racine, Wis.

POLISHES, Wax

(See also Polishes, Floor and Wax Polish, Liquid)

Algoma Mfg. Co., Green Bay, Wis.
Baltimore Paint & Color Wks., Inc., Baltimore, Md. "Lady Like"
Bowes "Seal-Fast" Corp., Indianapolis, Ind. "Seal-Lovar"
Boyle (A. S.) Co., Cincinnati, O. "Old English"
Burgess (C. F.) Laboratories, Chicago, Ill.
Butcher Polish Co., Boston, Mass.
Congoleum-Nairn, Inc., Kearny, N. J. "Sealex"
Day (Jas. B.) & Co., Chicago, Ill.
Farbo Wax Co., Baltimore, Md. "Cello-Wax"
Felco Mfg. Products Co., 2243 Washington Av., New York, N. Y. "Nu Wax"
Foy Paint Co., Inc., Cincinnati (Norwood) O.
Fromeyer & Co., Cincinnati, O. "Jewel"
Johnson (S. E.) & Son., Racine, Wis.
Leiner (G. S.) & Co., 1280 Brook Av., New York, N. Y.
Liquid Veneer Corp., Buffalo, N. Y.
Marietta Paint & Color Co., Marietta, O.
Martin Varnish Co., Chicago, Ill.
Midway Chemical Co., Chicago, Ill. "Aerowax"
Miracul Wax Co., St. Louis, Mo. "Dri-Brite"
Moore (E. B.) & Co., Chicago, Ill.
O-Cedar Corp., Chicago, Ill.
Peerless Products Co., Los Angeles, Cal.
Sailors (R. L.) & Co., Longview, Wash. "Wunder Wax"
Socony-Vacuum Specialties, Inc., 26 B'way, New York, N. Y.
Sisk (R. J.) Co., New London, Conn.
Thompson Specialties, Inc., Springfield, Mass. "Tip-Top"
Van Tine Laboratories, Inc., 521 5th Av., New York, N. Y. "E. Z. Wax"
Wilson-Imperial Co., 115 Chestnut, Newark, N. J. "Imperial"
Woolsey (C. A.) Paint & Color Co., 500 Grand, Jersey City, N. J.

POLISHING CLOTHS—See Cloths, Polishing

POLISHING HEADS—See Heads, Grinding and Polishing

POLISHING MITTENS—See Mittens, Polishing

POLISHING MOPS—See Mops, Polishing

POLISHING WHEELS—See Wheels, Polishing

POLO BALLS, Water—See Balls, Polo, Water

POOL BALLS—See Balls, Billiard and Pool

POOL and BILLIARD TABLES, Children's—See Tables, Billiard and Pool, Children's

POOL SUPPLIES—See under Billiard

POOLS, Wading

American Playground Device Co., Anderson, Ind.
American Wading Pool Co., Pittsburgh, Pa.
Close-To-Nature Co., Colfax, Ia.
Everwear Mfg. Co., Springfield, O.
Fulton Bag & Cotton Mills, Inc., 330 Wythe Av., B'klyn, N. Y (Canvas, Children's)
Gendron Wheel Co., Toledo, O.
Hill-Standard Co., Anderson, Ind.
Jaton Mfg. Corp., 702 Court, B'klyn, N. Y.
Medart Mfg. Co., St. Louis, Mo.
Toledo Metal Wheel Co., Toledo, O. "Blue Streak"
Wenzel (Herman) Tent & Duck Co., St. Louis, Mo.
Werner Canvas Products Co., 2 Water, B'klyn, N. Y

POP CORN SHELLERS—See Shellers, Pop Corn

POPGUNS

All Metal Products Co., Wyandotte, Mich.
Daisy Mfg. Co., Plymouth, Mich.
Patent Novelty Co., Fulton, Ill.
Schoenhut (A.) Co, Phila, Pa.

POPPERS, Corn

Acme Electric & Mfg. Co., Cleveland, O. (Comb Toaster)
American Pop Corn Co., Sioux City, Ia. "Jolly Time"
Bersted Mfg. Co., Chicago, Ill. "Tip-Top" (Electric)
Betsy Ross Electric Products Corp., Johnson City, N. Y. (Electric)
Bromwell Wire Goods Co., Cincinnati, O.
Cannon Oiler Co., Keithsburg, Ill. "Easy-Pop"
Cretors (C. J.) & Co., Chicago, Ill.
Dominion Electrical Mfg. Co., Minneapolis, Minn.
Excel Electric Co., Muncie, Ind. (Electric)
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Gobar Products, Anderson, Ind. (Electric)
Hamblin & Russell Mfg. Co., Worcester, Mass.
Holcomb & Hoke Mfg. Co., Indianapolis, Ind.
Jackes-Evans Mfg. Co., St. Louis, Mo. "Aunt Sarah's" (Electric)
Keene (O. S.) Machine Co., Anderson, Ind. "E-Z"
Kingery Mfg. Co., Cincinati, O.
Knapp-Monarch Co., Belleville, Ill. "Therm-A-Hot" (Electric)
Landers, Frary & Clark, New Britain, Conn.
Mabey Electric & Mfg. Co., Indianapolis, Ind. "Hot Quick," "Korn Krisper"
Meyers (Fred J.) Mfg. Co., Hamilton, O.
National Sales Co., Des Moines, Ia. "Peerless"
New Delphos Mfg. Co., Delphos, O.
Reynolds Wire Co., Dixon, Ill.
Robbins & Myers Co., Springfield, O. "Frenchflake" (Automatic, Peanut Warmer Attachment)
Shotwell Mfg. Co., Chicago, Ill.
Star Mfg. Co., Inc., St. Louis, Mo. (Electric)
Stutsman (R. O.) Co., Des Moines, Ia.
Success Mfg. Co, Gloucester, Mass.
Superior Electric Products Corp., St. Louis, Mo. "Super Lectric"
U. S. Mfg. Co., Decatur, Ill. "Pop-Frier"
Utility Mfg. Co., Sturgis, Mich.
Washburn Company, Worcester, Mass.
Wilson Mfg. Co., Niles, O.

PORECLAIN BATH TUBS—See Tubs, Bath Porcelain

PORCELAIN CEMENT—See Cement, Porcelain

PORCELAIN CLEANERS—See Cleaners, Porcelain

PORCELAIN DISHES, Toy—See Dishes, Toy

PORCELAIN KEY PLATES—See Plates, Key, Porcelain

PORCH FURNITURE — See Furniture, Garden, Lawn and Porch

PORCH GATES—See Gates, Porch

PORCH POST IRONS—See Irons, Porch Post

PORCH RAILING—See Railing, Porch

PORCH SHADES—See Shades, Porch

PORCH SWING CHAINS—See Chains, Hammock and Porch Swing

PORCH SWINGS—See Swings, Porch

PORCH SWING SPRINGS—See Springs, Porch Swing

PORK RIND STRIPS—See Baits, Pork Rind Strips

PORTABLE BAKING OVENS—See Ovens, Baking, Portable

PORTABLE CONCRETE MIXERS—See Mixers, Concrete, Portable

PORTABLE ELECTRIC HAMMERS — See Hammers, Electric, Portable

PORTABLE FORGES—See Forges, Portable

PORTABLE GARAGES—See Garages, Portable

PORTABLE GOLF SETS—See Sets, Golf, Portable

PORTABLE LATHES—See Lathes, Portable

PORTABLE PLATFORM SCALES — See Scales, Platform, Portable

PORTABLE POULTRY HOUSES — See Houses, Poultry, Portable

PORTABLE PUMPS—See Pumps, Portable

PORTABLE PUNCHES—See Punches, Portable

PORTABLE SAWS, Electric—See Saws, Electric, Portable

PORTABLE SAW RIGS—See Rigs, Saw, Portable

PORTABLE SEWING MACHINES—See Sewing Machines, Electric

PORTABLE VISE STANDS—See Stands, Vise, Portable

POST DRILLS—See Drills, Post

POST HOLE AUGERS—See Augers, Post Hole

POST HOLE DIGGERS—See Diggers, Post Hole

POST MAULS—See Mauls, Post

POST SPADES—See Spades, Post

POSTAL SCALES—See Scales, Postal

POSTS, Clothes Line

(See also Poles, Clothes)

Banks Steel Post Co., Newark, N. J.
Century Fence Co., Waukesha, Wis.
Cincinnati Iron Fence Co., Cincinnati, O.
Continental Steel Products Co., Youngstown, O. "Valley"
Cyclone Fence Co., Waukegan, Ill.
Davis & Siehl Co., Cincinnati, O.
Donley Bros. Co., Cleveland, O.
Harker Mfg. Co., Cincinnati, O. "Green Top"
Hubeny Brothers, Inc., Roselle, N. J.
Newark Steel Post Co., 75 Main, W. Orange, N. J. "Re-Move-Able," "So Easy"
Page Steel & Wire Co., Monessen, Pa.
Rotary Clothes Dryer Co., Allentown, Pa.

POSTS, Fence, Steel and Iron

American Steel & Wire Co., 208 S. LaSalle, Chicago, Ill. "American," "Ideal," "National Expanding Anchor," "Orange Banner"
Anchor Post Fence Co., Baltimore, Md.
Atlantic Steel Co., Atlanta, Ga. "Dixisteel"
Badger Wire & Iron Wks., Milwaukee, Wis.
Bethlehem Steel Co., Bethlehem, Pa. "Cambria"
Buffalo Steel Co., Tonawanda, N. Y. "Quick-Set"
Century Fence Co., Waukesha, Wis.
Chicago Metal Mfg. Co., Chicago, Ill. "Button Top"
Chicago Steel Post Co., Chicago, Ill. "Red Top"
Colorado Fuel & Iron Co., Denver, Colo.
Continental Steel Corp., Kokomo, Ind.
Cyclone Fence Co., Waukegan, Ill.
Enterprise Fence & Wire Mfg. Co., Indianapolis, Ind.
Gade, C. L., Iowa Falls, Ia.
Gulf States Steel Co., Birmingham, Ala. "Gulfsteel"
Indiana Steel & Wire Co., Muncie, Ind. "Imperial"
Jackson Fence Co., Jackson, Mich.
Janesville Fence & Post Co., Janesville, Wis. "Apex," "O. K."
Keystone Steel & Wire Co., Peoria, Ill. "T"
Kitselman Bros., Muncie, Ind. "Can't Bend"
Lagon Co., Louisville, Ky.
Mid-States Steel & Wire Co., Crawfordsville, Ind.
Northwestern Barb Wire Co., Inc., Sterling, Ill. "Super-T-Posts"
Page Steel & Wire Co., Monessen, Pa.
Pittsburgh Steel Co., Pittsburgh, Pa. "Studded Tee"
Smith (F. P.) Wire & Iron Wks., Chicago, Ill. "Supreme"
Stevens Metal Products Co., Niles, O.
Sweet's Steel Co., Williamsport, Pa.
United Mfg. Co., Algona, Ia. "Marvel Stapleless"
Wheeling Corrugating Co., Wheeling, W. Va.

POSTS, Hitching, Iron and Steel

Dempster Mill Mfg. Co., Beatrice, Neb.
Fiske (J. W.) Iron Wks., 78 Park Place, New York, N. Y. "Darkey," "Jockey"
Mast, Foos & Co., Springfield, O.
Myers (Fred J.) Mfg. Co., Hamilton, O.
Sterling Foundry Co., Sterling, Ill. "Best"
Stover Mfg. & Engine Co., Freeport, Ill.
Union Steel Products Co., Albion, Mich.

POTATO BAKERS—See Bakers, Potato

POTATO BASKETS—See Baskets, Potato

POTATO HOOKS—See Hooks, Potato

POTATO CREAMERS—See Creamers, Potato

POTATO DUSTERS—See Dusters, Insecticide

POTATO MASHERS—See Mashers, Potato

POTATO PARERS—See Parers, Fruit and Vegetable

POTATO RICERS—See Mashers, Potato

POTATO SCOOPS—See Scoops, Vegetable

POTATO SLICERS—See Slicers, Fruit and Vegetable

POTATO SPRAYERS—See Sprayers, Potato

POT CLEANERS—See Cleaners, Pot

POT COVERS—See Covers, Cooking Utensil

POT SCRAPERS—See Scrapers, Pot

POTS, Bean

Burley & Winter Pottery Co., Crooksville, O.
Dorchester Pottery Wks., Boston, Mass.
Fry (H. C.) Glass Co., Rochester, Pa.
Wingender (Chas.) & Bros., Haddonfield, N. J.

POTS, Coffee

Aluminum Cooking Utensil Co., New Kensington, Pa. "Wear-Ever," "Stylized Drip"
Aluminum Goods Mfg. Co., Manitowoc, Wis.
American Can Co., 230 Park Av., New York, N. Y.
Bellaire Enamel Co., Bellaire, O. "Beco," "Beco-Lator" (Drip)
Bremer Aluminum Corp., Chicago, Ill. "Dr. Koch"
Columbian Enameling & Stamping Co., Terre Haute, Ind. "Creole" (Drip)
Crest Corp., Los Angeles, Cal.
Doylestown Aluminum Ware Co., Doylestown, O.
Enterprise Aluminum Co., Massillon, O. "Drip-O-Lator"
Federal Enameling & Stamping Co., McKees Rocks, Pa. "Old Holland"
Fraunfelter China Co., Zanesville, O. (Drip)
General Electric Co., Bridgeport, Conn. (Electric, Drip)
Griswold Mfg. Co., Erie, Pa.
Hall China Co., E. Liverpool, O.
Health-Maid, Inc., Cleveland, O.
Kewaskum Aluminum Co., Kewaskum, Wis.
Keystone Silver, Inc., 410 E. 32nd, New York, N. Y. "Pewter"
Landers, Frary & Clark, New Britain, Conn.
Metal Ware Corp., Two Rivers, Wis. "Pilgrim Ware"
National Enameling & Stamping Co., Milwaukee, Wis.
National Pressure Cooker Co., Eau Claire, Wis.
Northwest Metal Products, Inc., Seattle, Wash. "Norwesco"
Phylax Co., Pittsburgh, Pa.
Porter (C. B.) Co., Phila., Pa.
Revere Brass & Copper Co., 230 Park Av., New York, N. Y.
Silex Co., Hartford, Conn.
Stuber & Kuck Co., Peoria, Ill.
Tricolator Co., Inc., 135 5th Av., New York, N. Y. (Drip)
U. S. Stamping Co., Moundsville, W. Va.
Vollrath Co., Sheboygan, Wis.
Wagner Mfg. Co., Sidney, O.
West Bend Aluminum Co., West Bend, Wis.

POT COVER HOLDERS—See Holder, Cover

POTS, Fire—See Furnaces and Torches, Gasoline and Kerosene

POTS, Flower

Brush Pottery Co., Zanesville, O.
Buckeye Pottery Co., Macomb, Ill.
Burley & Winter Pottery Co., Crooksville, O.
Goodwin Bros. Pottery Co., Elmwood, Conn.
Hall Concrete Products Co., Grassland, Pa. "Art-crete"
Lews (A. H.) & Co., Cambridge, Mass.
Milfinger Bros., Fort Edward, N. Y.
Ionia Pottery Co., Ionia, Mich.
Keller Pottery Co., Norristown, Pa.
Liss Bros. Mfg. Co., New Haven, Conn.
Louisville Pottery Co., Louisville, Ky.
National Pottery Co., Roseville, O.
Pfaltzgraff Pottery Co., York, Pa.
Pittsburg Pottery Co., Pittsburg, Kan.
Richardson Co., Melrose Park, Ill. "Richelain"
Springfield Clay Mfg. Co., Springfield, O.
Standard Toy Marble Co., Akron, O.
Syracuse Pottery Co., Syracuse, N. Y.
Toledo Pottery Co., Toledo, O.
Uhl Pottery Co., Evansville, Ind.
Washington Brick, Lime & Sewer Pipe Co., Spokane, Wash.
Whiledin Pottery Co., Phila., Pa.
Zane Pottery Co., S. Zanesville, O.

POTS, Flower, Paper

Bird & Son, Inc., Walpole, Mass. "Neponset"

POTS, Glue

American Electrical Heater Co., Detroit, Mich. "American Beauty"
Black Bros. Co., Inc., Mendota, Ill. "Hold-Heet" (Electric)
Ennis Mfg. Co., Reading, Pa.
Francis (Chas. E.) Co., Rushville, Ind. (Electric)
Heston & Anderson, Fairfield, Ia. (Electric)
Hynes & Cox Elec. Corp., Albany, N. Y.
Landers, Frary & Clark, New Britain, Conn. (Electric)
Marietta Hollow Ware & Enameling Co., Marietta, Pa.
Nason Mfg. Co., 71 Fulton, New York, N. Y.
Samson-United Corp., Rochester, N. Y. (Electric)
Sta-Warm Electric Co., Ravenna, O. "Triplex" (Electric)
Trent (Harold E.) Co., Phila., Pa. (Electric)
U. S. Hdw. & Mfg. Co., Pawtucket, R. I.
Waage, A. H., 112 Chambers, New York, N. Y. (Electric)
Wallace (J. D.) & Co., Chicago, Ill. (Electric)
Westinghouse Electric & Mfg. Co., E. Pittsburgh, Pa.

POTS, Melting

Barber Asphalt Co., Phila., Pa. "Iroquois"
Battery Equipment & Supply Co., Chicago, Ill. "Besco"
Hollands Mfg. Co., Erie, Pa.
Johnson (William), Inc., 36 Brenner, Newark, N. J.
Sta-Warm Electric Co., Ravenna, O. (Electric)
Swett (A. L.) Iron Wks., Medina, N. Y.
Trent (Harold E.) Co., Phila., Pa. (Electric)
Union Iron Wks., Hoboken, N. J.
Unique Mfg. Co., Inc., Chicago, Ill.
United States Hardware & Mfg. Co., Pawtucket, R. I.

POTS, Tallow

Eagle Mfg. Co., Wellsburg, W. Va.
Gem Mfg. Co., Pittsburgh, Pa.
Noera Mfg. Co., Waterbury, Conn.
Wall (P.) Mfg. Supply Co., 3126-3166 Preble Av., N. S., Pittsburgh, Pa.

POTS, Tea

Alliance Vitrified China Co., Alliance, O.
Aluminum Cooking Utensil Co., New Kensington, Pa. "Wear-Ever"
Aluminum Goods Mfg. Co., Manitowoc, Wis.
American Aluminum Ware Co., 374 Jeliff Av., Newark, N. J. "Peerless"
American Can Co., 230 Park Av., New York, N. Y.
Atlantic Stamping Co., Rochester, N. Y.
Bellaire Enamel Co., Bellaire, O. "Beco"
Brush Pottery Co., Zanesville, O. "Mitusa"
Columbian Enameling & Stamping Co., Terre Haute, Ind.
Corning Glass Wks., Corning, N. Y. "Pyrex"
Doylestown Aluminum Ware Co., Doylestown, O.
Federal Enameling & Stamping Co., McKees Rocks, Pa. "Old Holland"
Fraunfelter China Co., Zanesville, O.
Fry (H. C.) Glass Co., Rochester, Pa.
Griswold Mfg. Co., Erie, Pa.
Haeger Potteries, Dundee, Ill.
Hall China Co., E. Liverpool, O.
Health-Maid, Inc., Cleveland, O.
Kewaskum Aluminum Co., Kewaskum, Wis.
Landers, Frary & Clark, New Britain, Conn.
Lawson (F. H.) Co., Cincinnati, O.
Morton Pottery Co., Morton, Ill.
National Enameling & Stamping Co., Milwaukee, Wis.
Revere Brass & Copper Co., 230 Park Av., New York, N. Y.
Stuber & Kuck Co., Peoria, Ill.
U. S. Stamping Co., Moundsville, W. Va.
Vollrath Co., Sheboygan, Wis.
Wagner Mfg. Co., Sidney, O.
West Bend Aluminum Co., West Bend, Wis.

POTS, Tea, Electric

General Electric Co., Bridgeport, Conn. "Hot Point"
Hughes (D. C.) & Co., Chicago, Ill. "Electro"
Landers, Frary & Clark, New Britain, Conn. "Universal"
Manning-Bowman & Co., Meriden, Conn.
Robeson-Rochester Corp., Rochester, N. Y. "Royal Rochester"
West Bend Aluminum Co., West Bend, Wis. "De Luxe"

POTS, Watering

Atlantic Stamping Co., Rochester, N. Y.
Closed Top Utensils Co., Chicago, Ill. "Ten Purpose" (Sprinkler-Filler)
Crunden-Martin Mfg. So., St. Louis, Mo.
Dover Stamping & Mfg. Co., Cambridge, Mass.
Geuder, Paeschke & Frey Co., Milwaukee, Wis.
Hodges (Wm.) Co., Phila., Pa. "Witherspoon"
Janusch Mfg. Co., 282 E. 135th, New York, N. Y. (Brass)
Kreamer (A.), Inc., 307 Kent Av., Bklyn., N. Y.
Lalance & Grosjean Mfg. Co., Woodhaven, L. I., N. Y.
Lawson (F. H.) Co., Cincinnati, O. "Lawco"
Lisk Mfg. Co., Canandaigua, N. Y.
National Enameling & Stamping Co., Milwaukee, Wis.
Porter (C. B.) Co., Phila., Pa.
Rochester Can Co., Rochester, N. Y. "Iron Horse"
Savory, Inc., 591 Ferry, Newark, N. J.
Schlueter Mfg. Co., St. Louis, Mo.
Stuber & Kuck Co., Peoria, Ill.
Wheeling Corrugating Co., Wheeling, W. Va.

POTS, Watering, Toy

Wolverine Supply & Mfg. Co., Pittsburgh, Pa. "Sandy Andy"

POULTRY BROOD COOPS—See Coops, Brood, Poultry

POULTRY BROODERS—See Brooders

POULTRY COOPS—See Coops, Poultry

POULTRY FEED HOPPERS—See Hoppers, Feed, Poultry

POULTRY FEED OAT SPROUTERS—See Sprouters, Oat

POULTRY FEEDERS—See Feeders, Poultry

POULTRY FENCE—See Fence, Poultry

POULTRY FOUNTAINS—See Fountains, Poultry

POULTRY GRIT BOXES—See Boxes, Grit, Poultry

POULTRY HOLDERS—See Holders, Poultry

POULTRY HOUSES—See Houses, Poultry, Portable

POULTRY HOVERS—See Brooders; also Incubators

POULTRY INCUBATORS—See Incubators

POULTRY LEG BANDS—See Bands, Leg, Poultry

POULTRY NESTS—See Nests, Poultry

POULTRY NETTING—See Netting, Wire

POULTRY PUNCHES—See Punches, Poultry

POULTRY SUPPLIES

Advance Mfg. Co., Tipton, Ind.
Bayerdorffer, M., Huguenot Park, S. I., N. Y.
Beatrice Steel Tank Mfg. Co., Beatrice, Neb. "Nu-Way"
Boyer Mfg. Co., Thorntown, Ind.
Brower Mfg. Co., Quincy, Ill.
Collins, W. H., 445 Greenwich, New York, N. Y.
Cyclone Mfg. Co., Urbana, Ind.
Davenport Ladder Co., Davenport, Ia.
Dayton Toy & Specialty Co., Grayton, O. "Daton"
Glenfield Supply Co., Glenfield, Pa.
Globe American Corp., Kokomo, Ind. 'Makomb"
Hall Mfg. Co., Cedar Rapids, Ia.
Hoeft & Co., Inc., 2309 Davis, N. Chicago, Ill. "Moe's"
Hudson (H. D.) Mfg. Co., Chicago, Ill.
Illinois Supply Co., Aurora, Ill. "Illco"
Incubator Moisture Guide Co., Springfield, Mo. "Patterson & Young"
James Mfg. Co., Ft. Atkinson, Wis. "Jamesway"
Klein Mfg. Co., Burlington, Ia. "K-Line"
Lowell Specialty Co., Lowell, Mich.
Mit-Shel Stamping Mfg. Co., Quincy, Ill.
National Mfg. & Stamping Co., Des Moines, Ia. "Red Star"
New McCurdy Mfg. Co., Ada, O.
Oakes Mfg. Co., Tipton, Ind.
Perfecto Co., Bellmore, L. I., N. Y. (Leg Bands)
Putnam (I.) Inc., Ellmira, N. Y. (Oat Sprouter)
Reliable Incubator & Brooder Co., Quincy, Ill.
Ross Cutter & Silo Co., Springfield, O.
Royal Mfg. Co., Toledo, O.
Sexton Can Co., Everett, Mass.
Sheer (H. M.) Co., Quincy, Ill. "Sol-Hot"
Thieman Harvester Co., Inc., Albert City, Ia. "Kleen-Kwik"
Thomas-Armstrong Co., London, O. "Buckeye"
United Steel & Wire Co., Battle Creek, Mich.
Vac Mfg. Co., Monmouth, Ill.
Weber-Kirch Mfg. Co., Keokuk, Ia. "W-K"

POULTRY TROUGHS—See Troughs, Poultry

POUNDERS, Steak

Arcade Mfg. Co., Freeport, Ill.
Chatillon (John) & Sons, 85 Cliff, New York, N. Y. "Foster Bros."
Colebrookdale Iron Co., Boyertown, Pa.
Ennis Mfg. Co., Reading, Pa.
Grey Iron Casting Co., Mt. Joy, Pa. "Mt. Joy"
Harrington Cutlery Co., Southbridge, Mass.
Mechanics Tool & Wrench Co., Greenfield, Mass.
Munising Woodenware Co., Cleveland, O.
Nicol & Co., Chicago, Ill. "Star"
Parrish (J. Shepherd) Co., Chicago, Ill.
Piqua Handle & Mfg. Co., Piqua, O.
Stover Mfg. & Engine Co., Freeport, Ill.
Wagner Mfg. Co., Cedar Falls, Ia. "Daisy"
White (Ira F.) & Son Co., Bloomfield, N. J.
Wrightsville Hdw. Co., Wrightsville, Pa. "Gem"

POWDER, Ant—See Powder, Roach and Ant

POWDER, Blasting
(See also Dynamite)

American Powder Mills, Maynard, Mass.
Atlas Powder Co., Wilmington, Del. "Giant"
Du Pont (E. I.) de Nemours & Co., Explosives Dept., Wilmington, Del.
Excelsior Powder Mfg. Co., Kansas City, Mo.
Giant Powder Co., San Francisco, Cal.
Hercules Powder Co., Inc., Wilmington, Del.
Illinois Powder Mfg. Co., St. Louis, Mo.
McAbee (G. R.) Powder & Oil Co., Pittsburgh, Pa.

POWDER, Emery—See Abrasives

POWDER, Gun

American Powder Mills, Maynard, Mass. "Dead Shot"
Atlas Powder Co., Wilmington, Del.
Du Pont (E. I.) de Nemours & Co., Explosives Dept., Wilmington, Del.
Hercules Powder Co., Inc., Wilmington, Del. "Bullseye," "Herco," "Hirel," "Red Dot"
Illinois Powder Co., Inc., St. Louis, Mo. "Quick Shot"
King Powder Co., Cincinnati, O.
Shamokin Powder Co., Shamokin, Pa.
Western Powder Mfg. Co., Peoria, Ill.

POWDER, Roach and Ant

Antrol Laboratories, Inc., Los Angeles, Cal. "Antrol"
Brown's Insecticide Co., 225 E. 14th New York, N. Y.
Chamberlain-Haber Chemical Co., Cleveland, O. "Nipon"
Connecticut Chemical & Disinfectant Co., New Haven, Conn. "Supreme"
Dolge (C. B.) Co., Westport, Conn.
Enoz Chemical Co., Chicago, Ill.
Heller (B.) & Co., Chicago, Ill.
Jamieson (C. E.) & Co., Detroit, Mich.
McCormick & Co., Inc., Baltimore, Md.
Midway Chemical Co., Chicago, Ill. "Ant-Ded," "Roach-Ded"
Murray (Edgar A.) Co., Detroit, Mich. "Doom"
Optiz (John), Inc., 220 E. 42nd, New York, N. Y. "T-O"
Peterman (Wm.), Inc., 110 Washington, New York, N. Y.
Reynolds (Jas. T.) & Son, Lapeer, Mich.
Tanglefoot Co., Grand Rapids, Mich.
Toledo Rex Spray Co., Toledo, O. "Roach-Tox"
White Tar Co. of New Jersey, Inc., Kearny, N. J.

POWDER SOLVENTS—See Solvents, Powder

POWDERED GLUE—See Glue, Powdered

POWDERED SOAP DISPENSERS—See Dispensers, Soap

POWDERS, ALUMINUM—See Powders, Bronze, Gold, Aluminum, etc.

POWDERS, Bronze, Gold, Aluminum, Etc.

Baer Bros., 438 W. 37th, New York, N. Y.
Dixon (Jos.) Crucible Co., Wayne & Monmouth, Jersey City, N. J.
Grasselli Chemical Co., Cleveland, O.
Kahn (N.) & Co., Phila., Pa. "Supreme"
Ohio Bronze Powder Co., Cleveland, O.
Sapolin Co., 229 E. 42d, New York, N. Y.
Sheffield Bronze Powder & Stencil Co., 5817 Kinsman Rd., Cleveland, O.

POWDERS, Gold—See Powders, Bronze, Gold, Aluminum, Etc.

POWER GRIND STONES—See Stones, Grind, Power

POWER PUMPS—See Pumps, Power

POWER SAWS—See Saws, Power

POWER SPRAY PUMPS—See Pumps, Spray, Power

POWER TRANSMITTING ATTACHMENTS FOR FORDS

American Farm Machinery Co., Minneapolis, Minn.
Bosch (Robert) Magneto Co., Queens Blvd. & Buckley, Long Island City, N. Y.
Caldwell (L. L.) Co., Los Angeles, Cal. "H. H."
Porter Mirror & Glass Co., Shelbyville, Ind. "Lay Porla Power," "Power Maker"
Shaw Mfg. Co., Galesburg, Ill.

PREPARED PAINTS—See Paints, Ready Mixed

PREPARED WAX—See Polishes, Floor; also Polishes, Furniture

PRESERVED FISH BAITS—See Baits, Fish, Preserved

PRESERVERS, Egg

California Egg Preserver Co., Ltd., San Francisco, Cal. "Fleming's Egg-Keep"

PRESERVERS, LEATHER—See Preservers, Metal, Wood, Leather, Etc.

PRESERVERS, Life

American Pad & Textile Co., Greenfield, O. (Watervest)
Armstrong Cork Co., Lancaster, Pa.
Atlantic-Pacific Mfg. Corp., 128 Atlantic Av., B'klyn, N. Y.
Ayvad Mfg. Co., 1103 Grand, Hoboken, N. J.
Betsey Ross Flag Co., Newburgh, N. Y.
Kapo Products Co., Boston, Mass.
Metropolitan Camp Goods Co., Inc., Athol, Mass.
Streich Mfg. Co., Joliet, Ill. (Watervest)

PRESERVERS, Metal, Leather, Wood, Etc.
(See also Compounds, Rust Preventing and Removing)

American Rust Proof Co., 8 W. 40th, New York, N. Y. "Vatu"
Carbolineum Wood Preserving Co., Milwaukee, Wis. (Wood)
Cling-Surface Co., Buffalo, N. Y. (Rope)
Frost Paint & Oil Co., Minneapolis, Minn. "Kapak Paint"
Robeson Preservo Co., Port Huron, Mich. (Canvas)
Standard Oil Co. of N. J., 26 B'way, New York, N. Y. (Leather)
Standard Tar Products Co., Milwaukee, Wis. "Usol"
Superior Laboratories, Grand Rapids, Mich. (Metal) "Stovoil"

PRESERVING KETTLES—See Kettles, Preseiving

PRESS BUTTON POCKET KNIVES—See Knives, Pocket, Push Button

PRESS SCREWS—See Screws, Press

PRESSED STEEL HAND LAWN MOWERS—See Mowers, Lawn, Hand, Pressed Steel

PRESSERS, Tie, Electric

Jiffy Electric Co., Hazel Park Station, Detroit, Mich.
Hare Mfg. Co., Phila., Pa. "Ty Boy"

PRESSES, Berry—See Presses, Fruit

PRESSES, Cider—See Mills and Presses, Cider

PRESSES, Fruit

American-Acme Co., Emigsville, Pa.
Anstice (Josiah) & Co., Rochester, N. Y. "Sterling"
Brown (M. J.) Mfg. Co., Cumberland & Orianna, Phila., Pa. "Brownee," "Dreadnought"
Crown Mfg. Co., Phelps, N. Y. "Morjuice"
Cutaway Harrow Co., Higganum, Conn. "Farmers' Favorite"
Donaldson Bros., Mt. Clemens, Mich.
Dunning & Boschert Press Co., Syracuse, N. Y.
Enterprise Mfg. Co. of Pa., Phila., Pa.
Fanner Mfg. Co., Cleveland, O. "Arctic"
Glenfield Supply Co., Glenfield, Pa. "Pal" (Rotary)
Gray Iron Foundry Co., Reading, Pa.
Grey Iron Casting Co., Mt. Joy, Pa.
Griswold Mfg. Co., Erie, Pa.
Hocking Valley Mfg. Co., Lancaster, O.
Home Barrel & Keg Wks., Chicago, Ill.
Hydraulic Press Mfg. Co., Mount Gilead, O. "Mount Gilead"
Lansing Co., Lansing, Mich.
Littlestown Hdw. & Fdry. Co., Littlestown, Pa.
McDowell Mfg. Co., Pittsburgh, Pa. "Dilver"
Red Cross Mfg. Co., Bluffton, Ind.
Rock Island Mfg. Co., Rock Island, Ill.
Salem Tool Co., Salem, O. "Oasis," "Silver"
Schriver (O. P.) Co., Cincinnati, O. "Juicy Fruit"
Swett (A. L.) Iron Works, Medina, N. Y.
Teller, R. K., Unadilla, N. Y.
Trescott Co., Fairport, N. Y.
Vogel (Wm.) & Bros., 39 S. 9th, B'klyn, N. Y.
Wagner Mfg. Co., Sidney, O.
Whitehurst (R. W.) Mfg. Corp., Norfolk, Va. "Little Boss"
Wrightsville Hdw. Co., Wrightsville, Pa. "Brighton"

PRESSES, Grape—See Presses, Fruit

PRESSES, Knurling—See Tools, Knurling

PRESSES, Lard

Donaldson Bros., Mt. Clemens, Mich.
Eagle Mach. Co., Lancaster, O.
Enterprise Mfg. Co. of Pa., Phila., Pa.
Griswold Mfg. Co., Erie, Pa.
Landers, Frary & Clark, New Britain, Conn.
Lansing Co., Lansing, Mich.
New Standard Hdw. Wks., Mount Joy, Pa.
Red Cross Mfg. Co., Bluffton, Ind.
Salem Tool Co., Salem, O. "Silver"
Schriver (O. P.) Co., Cincinnati, O. "Hercules"
Wagner Mfg. Co., Sidney, O.
Wrightsville, Hdw. Co., Wrightsville, Pa. "Boss"

PRESSES, Meat Juice

American Utensil Co., Chicago, Ill. "Sep-Ro-Siv"
Landers, Frary & Clark, New Britain, Conn.
Wrightsville Hdw. Co., Wrightsville, Pa.

PRESSES, Seal

American Casting & Mfg. Corp., 30 Main, B'klyn, N. Y.
American Stamp Mfg. Co., Inc., 82 Fulton, New York, N. Y.
Brooks (E. J.) Co., 164 N. 13th, Newark, N. J.
Dickey Grabler Co., Cleveland, O.
Ellingwood Turning Co., West Paris, Me.
Gibson (A. C.) Co., Buffalo, N. Y.
Handlan-Buck Mfg. Co., St. Louis, Mo.
Hoggson & Pettis Mfg. Co., New Haven, Conn.
Matthews (Jas. H.) & Co., Pittsburgh, Pa.
Moise-Klinckner Co., San Francisco, Cal.
Monroe-Witt Mfg. Co., North Chicago, Ill. "Anchor," "Gem" (Also Pocket)
Murdock (W. Jas.) Co., Cincinnati, O.
Parker, T. M., Hartford, Conn.
Porter Safety Seal Co., Chicago, Ill.
R. & S. Engraving & Die Wks., Chicago, Ill.
Schwerdtle Stamp Co., Bridgeport, Conn.
Sigwalt Mfg. Co., Chicago, Ill. "County," "Consular," "Jewell," "Lion Head," "Long Beach," "Maas," "Star"
Smith (R. H.) Mfg. Co., Springfield, Mass.
Spencer (S. M.) Mfg. Co., Boston, Mass.
Spokane Stamp Wks., Spokane, Wash.
Stafford (N.) Co., 53rd & 1st Av., B'klyn, N. Y.
Universal Stamp Wks., 252 Market, Newark, N. J.
Utica Drop Forge & Tool Co., Utica, N. Y.

PRESSES, Tennis Racket

Draper-Maynard Co., Plymouth, N. H.
Goldsmith (P.) Sons, Cincinnati, O.
Magnan (N. J.) & Co., North Attleboro, Mass.
Mitchell & Ness, Phila., Pa.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.) Wright & Ditson, Inc., Phila., Pa.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stall & Dean Mfg. Co., Brockton, Mass.

PRESSES, Vegetable

New Standard Corp., Mt. Joy, Pa.
Wrightsville Hdw. Co., Wrightsville, Pa.

PRESSURE OILING CANS—See Cans, Oiling

PRESSURE TANK PUMPS—See Pumps, Tank, Pressure

PREVENTIVES, Rust—See Preservers, Metal, Leather, Etc.

PRICE CARDS and BOOKS—See Cards and Books, Price

PRICE TAGS—See Tags, Marking, Blank and Price

PRICK PUNCHES—See Punches, Center and Prick

PRINTERS AND COMPILERS OF HARDWARE JOBBERS' CATALOGS—See Catalog, Compilers and Printers

PRIMERS, Wall

Casein Mfg. Co., 207 E. 42nd, New York, N. Y.
National Lead Co., 111 B'way, New York, N. Y. "Dutch Boy"

PRODS, Cattle

American Fork & Hoe Co., Cleveland, O. "True Temper"

PRODUCE HATCHETS—See Hatchets, Produce

PROPS, Clothes Line

Berg (John) Mfg. Co., Chicago, Ill.
C-K-R Company, Cleveland, O. "Cronk"
Clark (J. R.) Co., Minneapolis, Minn.
Erickson (C. E.) Co., Des Moines, Iowa. "Aunt Lucy's"
Gem Mfg. Co., Bascom, O.
Kaufman, S. E., Trenton, N. J. "Hold-Fast"
Mother Hubbard, Inc., Mendota, Ill.
Pressed Metal Products Co., Cleveland, O. "Kanters"
Rich Pump & Ladder Co., Cincinnati, O.
Sheboygan Coaster & Wagon Wks., Sheboygan, Wis.
Stoware, Inc., Stowe, Vt.

PROSPECTING HAMMERS—See Hammers, Prospecting

PROTECTORS, Body, Catchers' and Umpires'

Brine (James W.) Co., Boston, Mass.
Draper-Maynard Co., Plymouth, N. H.
Goldsmith (P.) Sons, Cincinnati, O.
Goodrich (B. F.) Rubber Co., Akron, O.
Hodgman Rubber Co., Framingham, Mass.
Kelley, M. W., Austin, Texas (Knee Pad)
Mechanical Rubber Co., Cleveland, O.
Metropolitan Camp Goods Co., Inc., Athol, Mass. "Boston"
National India Rubber Co., Bristol, R. I.
Rawlings Mfg. Co., St. Louis, Mo.

PROTECTORS, Body, Catchers' and Umpires' (Continued)

Reach (A. J.) Wright & Ditson, Inc., Phila., Pa.
Reg'ler Fellers, Cincinnati, O.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stall & Dean Mfg. Co., Brockton, Mass.
Triangle Sporting Goods Co., Cincinnati, O.
Tyer Rubber Co., Andover, Mass.
Wilson-Western Sporting Goods Co., Chicago, Ill.

PROTECTORS, Chest—See Protectors, Body

PROTECTORS, Ear

Fitsrite Products Co., 23 E. 22nd, New York, N. Y.
Frank (Dr.) Ear Stopple Co., Toledo, O.
Greenwood (Chester) & Co., Farmington, Me.
Ideal Rubber Co., Los Angeles, Cal.
Ken-Wel Sporting Goods Co., Inc., Utica, N. Y.
Perfection Co., Pittsburgh, Pa.
Perfection Hat Conformator Co., Chicago, Ill.
Safety Ear Drum Protector Co., 131 W. 42nd, New York, N. Y.

PROTECTORS, Skate

Brauer Bros., Inc., St. Louis, Mo.
Johnson (Alfred) Skate Co., Chicago, Ill.
Johnson (Nestor) Mfg. Co., Chicago, Ill.
Planert (F. W.) & Sons, Chicago, Ill.
Reach (A. J.) Wright & Ditson, Inc., Phila., Pa.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.

PROTECTORS, Wall Paper

Pressed Metal Products Co., Cleveland, O.

PROTRACTORS, Bevel

Brown & Sharpe Mfg. Co., Providence, R. I.
Keuffel & Esser, Hoboken, N. J.
Lufkin Rule Co., Saginaw, Mich.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Starrett (L. S.) Co., Athol, Mass.
Union Tool Co., Orange, Mass.

PRUNERS, Tree

(See also Shears, Pruning)

Bartlett Mfg. Co., Detroit, Mich.
Boker (H.) & Co., 101 Duane, New York, N. Y. "Tree Brand"
C-K-R Company, Cleveland, O. "Elmira," "Water's"
Clyde Cutlery Co., Clyde, O.
Columbian Cutlery Co., Reading, Pa.
Columbus Handle & Tool Corp. Works of the National Handle Co., Columbus, Ind.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Henry (J. T.) Mfg. Co., Hamden, Conn.
Rhodes Mfg. Co., Grand Rapids, Mich.
Smith (Seymour) & Son, Inc., Oakville, Conn. "Orchard," "Standard," "Telephone," "Tree Expert," "Waters' Pattern"
Tiffany (Carroll R.), Conklin, N. Y.
Wells & Wade, Inc., Wenatchee, Wash.

PRUNING KNIVES—See Knives, Pruning

PRUNING SAWS—See Saws, Pruning

PRUNING SHEARS—See Shears, Pruning

PRYING BARS—See Bars, Wrecking

PUCKS, Hockey

Clifton Mfg. Co., Boston, Mass.
Combination Rubber Mfg. Co., Trenton, N. J.
Draper-Maynard Co., Plymouth, N. H.
Essex Rubber Co., Trenton, N. J.
Goodrich (B. F.) Rubber Co., Akron, O.
Northland Ski Mfg. Co., St. Paul, Minn.
Pennsylvania Rubber Co., Jeannette, Pa.
Reach (A. J.) Wright & Ditson, Inc., Phila, Pa.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stall & Dean Mfg. Co., Brockton, Mass.

PUDDING MOLDS—See Molds, Cake, Pudding, Etc.

PUDDING PANS—See Pans, Pudding

PULL TOYS—See Push and Pull Toys

PULLERS, Cork

(See also Corkscrews)

Arcade Mfg. Co., Freeport, Ill. "Champion," "Daisy," "Favorite," "Handy," "Phoenix," "Standard," "Triumph"
Corbin, P. & F., New Britain, Conn.
Williamson (C. T.) Wire Novelty Co., 53 Badgerau, Newark, N. J.

PULLERS, Cotter Pin—See Extractors, Cotter Pin

PULLERS, Dandelion

Hall Mfg. Co., Cedar Rapids, Ia.
Hudson (H. D.) Mfg. Co., Chicago, Ill. "Pull Easy"
Johnson, J. Oliver, Chicago, Ill. "Comco"
Russell (J.) & Co., Holyoke, Mass. "Dan-D-Lion"
Troxel Bros., Denver, Colo. "Mauch"

PULLERS, Fuse

Ideal Commutator Dresser Co., Sycamore, Ill.
States Co., Hartford, Conn.
Trico Fuse Mfg. Co., Milwaukee, Wis.

PULLERS, Nail

(See also Openers, Crate)

Belden Mach. Co., New Haven, Conn. "Bel-den," "Diamond-B," "Neverslip," "Universal"
Bridgeport Hdw. Mfg. Corp., 200 Seaside Park, Bridgeport, Conn. "Jumbo," "Red Bull," "Rex," "Sure Grip," "Unbreakable"
Chantrell Hdw. & Tool Co., Reading, Pa.
Crescent Tool Co., Jamestown, N. Y. "S. & H."
Fairmount Tool & Forging Co., Cleveland, O.
Gray Iron Foundry Co., Reading, Pa.
Iron City Tool Wks., Pittsburgh, Pa. (Spike)
Leetonia Tool Co., Leetonia, O.
Livingston Co., Rockland, Me.
Millers Falls-Goodell Pratt Co., Greenfield, Mass. "Pelican"
Snow & Petrelli Mfg. Co., New Haven, Conn. "Crown"
Southington Mfg. Co., Southington, Conn. "Pioneer"
Union Hdw. Co., Torrington, Conn. "Cyclops"

PULLERS, Sinew

Mathewson, S. H., Boston, Mass.

PULLERS, Staple

C-K-R Co., Cleveland, O.
Crescent Tool Co., Jamestown, N. Y. "Red Devil"
Damascus Steel Products Corp., Rockford, Ill.
Diamond Calk Horse Shoe Co., 4622 Grand Av., Duluth, Minn.
Estwing Mfg. Co., Rockford, Ill. "Unbreakable," "Unit-ax"
Marshalltown Trowel Co., Marshalltown, Ia.
Sayre (L. A.) Co., 332 Mulberry, Newark, N. J. "Hercules"
Utica Drop Forge & Tool Co., Utica, N. Y.
Vaughan & Bushnell Mfg. Co., Chicago, Ill.

PULLERS, Stump

Bennett Mfg. Co., Westerville, O.
Edwards (C. D.) Mfg. Co., Albert Lea, Minn. "Climax," "Jumbo"
Faultless Stump Puller Co., Cresco, Ia.
Hercules Mfg. Co., Centerville, Ia.
Kirstin (A. J.) Co., Escanaba, Mich.
Milne Mfg. Co., Monmouth, Ill. "Hawkeye," "Iron Giant"
Smith (W.) Grubber Co., La Crescent, Wis.
Stockland Road Mach. Co., Minneapolis, Minn.
Swenson Grubber Co., Cresco, Ia.
Zimmerman Steel Co., Bettendorf, Ia. "Monarch," "Mighty Monarch"

PULLERS, Tack—See Claws and Pullers, Tack

PULLERS, Weed—See Weeders, Garden and Lawn

PULLERS, Wire

(See also Stretchers, Fence and Wire)

Dicke Tool Co., Downers Grove, Ill. "Howe," "Imperial"
Estwing Mfg. Co., Rockford, Ill. "Unbreakable," "Unit-Ax"
Franklin Equipment Co., Monticello, Ia. "Monticello"
Harrah Mfg. Co., Bloomfield, Ind. "Handyman"
Keystone Steel & Wire Co., Peoria, Ill. "Samson"
Klein (Mathias) & Sons, 3200 Belmont Av., Chicago, Ill.
Locke Insulator Mfg. Co., Victor, N. Y.
Ney Mfg. Co., Canton, O.
Northwestern Barb Wire Co., Sterling, Ill.
Rittenhouse (A. E.) Co., Honeoye Falls, N. Y.
Smith (C. F.) Mfg. Co., DeKalb, Ill.
Starline, Inc., Harvard, Ill.
Townsend, B. W., Painted Post, N. Y.
Utica Drop Forge & Tool Co., Utica, N. Y.
Wrightsville Hdw. Co., Wrightsville, Pa. "Sure Grip"

PULLEY CHAINS—See Chains, Pulley

PULLEY LOCKS—See Locks, Pulley

PULLEYS—See also Blocks

PULLEYS, Awning, Etc.

Corbin, P. & F., New Britain, Conn.
Guarantee Specialty Mfg. Co., Cleveland, O. (Pressed Steel)
Hart & Cooley Mfg. Co., Chicago, Ill. "H. & C.," "Federal"
Mattatuck Mfg. Co., Waterbury, Conn.
Peck, Stow & Wilcox Co., Southington, Conn.
Penn Hdw. Co., Reading, Pa.
Reading Hdw. Co., Reading, Pa.
Sargent & Co., New Haven, Conn.
Stover Mfg. & Engine Co., Freeport, Ill.
Wilcox-Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.
Wrightsville Hdw. Co., Wrightsville, Pa.

PULLEYS, Ceiling and Hot House

Corbin, P. & F., New Britain, Conn.
Hart & Cooley Mfg. Co., Chicago, Ill.
Peck, Stowe & Wilcox Co., Southington, Conn.
Penn Hdw. Co., Reading, Pa.
Reading Hdw. Co., Reading, Pa.
Sargent & Co., New Haven, Conn.
Stover Mfg. & Engine Co., Freeport, Ill.

PULLEYS, Clothes Line

(See also Reels, Line, Clothes)

Acme Metal Goods Mfg. Co., 2 Orange, Newark, N. J.
Allith-Prouty Co., Danville, Ill.
Bogert & Hopper, 223 Varick, New York, N. Y.
Brooklyn Pulley Co., 85 5th Av., Bklyn., N. Y. "Ezy-run"
Corbin, P. & F., New Britain, Conn.
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Gray Iron Foundry Co., Reading, Pa.
Grey Iron Casting Co., Mt. Joy, Pa.
Hart & Cooley Mfg. Co., Chicago, Ill.
Hills, Edwin, Plainville, Conn.
Littlestown Hdw. & Fdry. Co., Littlestown, Pa.
Medart Co., St. Louis, Mo.
New York Stamping Co., 11th & Berry, Bklyn., N. Y. "Acme"
Peck, Stow & Wilcox Co., Southington, Conn. "Knot Passing," "Pexto"
Penn Hdw. Co., Reading, Pa.
Reading Hdw. Co., Reading, Pa.
Ritch & Pidge Mfg. Co., Fultonville, N. Y. "Easy Running," "Peerless," (Cast Aluminum; Cast Iron)
S R. Mfg. Co., Schenectady, N. Y. "Superior"
Sargent & Co., New Haven, Conn.
Stanley Wks., New Britain, Conn.
Stover Mfg. & Engine Co., Freeport, Ill.
Susquehanna Casting Co., Wrightsville, Pa.
Wrightsville Hdw. Co., Wrightsville, Pa. "Brighton"

PULLEYS, Curtain and Drapery

Beardsley & Wolcott Mfg. Co., Waterville, Conn.

PULLEYS, Hay Fork

American Fdry. & Mfg. Co., St. Louis, Mo.
Colebrookdale Iron Co., Boyertown, Pa.
Goshen Mfg. Co., Goshen, Ind.
Hudson (H. D.) Mfg. Co., Chicago, Ill.
Louden Mchy. Co., Fairfield, Ia.
Milwaukee Hay Tool Co., Layton Pk., Milwaukee, Wis.
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O. "Faultless," "O. K. Cast & Malleable Frame," "Sure Grip," "O. K."
Ney Mfg. Co., Canton, O.
Plattner-Yale Mfg. Co., Lincoln, Neb.
Porter (J. E.) Co., Ottawa, Ill.
Rassman (F.) Mfg. Co., Beaver Dam, Wis.
Ricker Mfg. Co., Rochester, N. Y.
Starline, Inc., Harvard, Ill.
Swett (A. L.) Iron Wks., Medina, N. Y.
Whitaker Mfg. Co., Chicago, Ill.
Wrightsville Hdw. Co., Wrightsville, Pa.

PULLEYS, Hot House—See Pulleys, Ceiling and Hot House

PULLEYS, Sash

Champion Hdw. Co., Geneva, O.
Chantrell Hdw. & Tool Co., Reading, Pa.
Cleveland Lock Wks., Cleveland, O. (Cast Iron)
Coleman Hdw. Co., Inc., Chicago, Ill.
Corbin, P. & F., New Britain, Conn.
Garden City Plating & Mfg. Co., Chicago, Ill. "Garcy"
Grand Rapids Hdw. Co., Grand Rapids, Mich. "Common Sense All Steel," "Field" (Hollow Axle)
Grand Rapids Sash Pulley Co., Grand Rapids, Mich.
Grant Pulley & Hdw. Co., 101 Park Av., New York, N. Y. "Gem," "Lee," "Star"
Jarvis Sash Pulley Co., Grand Rapids, Mich.
Kline Hdw. Co., Allentown, Pa.
Laughlin (Thos.) Co., Portland, Me.
McDonough Mfg. Co., Eau Claire, Wis.
National Lock Co., Rockford, Ill.
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Penn Hdw. Co., Reading, Pa. "Spartan," "Titian," "Vulcan"
Reading Hdw. Co., Reading, Pa.
Riverside Foundry Co., Wrightsville, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.
Seidel Mfg. Co., St. Louis, Mo.
Stanley Wks., New Britain, Conn. "Dillon"
Stover Mfg. & Engine Co., Freeport, Ill. "Ideal"
Up-to-Date Mach. Wks., Chicago, Ill. "Maurey Prest" (Pressed Steel)
Wrightsville Hdw. Co., Wrightsville, Pa. "Empire," "Improved," "Pacific"

PULLEYS, Screw

Corbin, P. & F., New Britain, Conn.
Peck, Stow & Wilcox Co., Southington, Conn.
Sargent & Co., New Haven, Conn.
Stover Mfg. & Engine Co., Freeport, Ill.
Wrightsville Hdw. Co., Wrightsville, Pa.

PULLEYS, Side

Corbin, P. & F., New Britain, Conn.
Ney Mfg. Co., Canton, O.
Peck, Stow & Wilcox Co., Southington, Conn.
Sargent & Co., New Haven, Conn.
Stover Mfg. & Engine Co., Freeport, Ill.
Wilcox-Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.
Wrightsville Hdw. Co., Wrightsville, Pa.

PULLEYS, Stop, Window Shade

Stover Mfg. & Engine Co., Freeport, Ill.

PULLEYS, Wall Case

Morton, Thomas, 249 Center, New York, N. Y.

PULLEYS, Window Shade—See Pulleys, Stop, Window Shade

PULLS, Door

(See also Buttons, Door)

Allith-Prouty Co., Danville, Ill. (Garage)
American Brass Goods Co., Grand Rapids, Mich.
Arcade Mfg. Co., Freeport, Ill.
Artistic Bronze Co., Bridgeport, Conn.
Barrows Lock Wks. of Yale & Towne Mfg. Co., Lockport, Ill.
Bogert & Hopper, 223 Varick, New York, N. Y.
Brainerd Mfg. Co., E. Rochester, N. Y.
Brass Goods Mfg. Co., 345 Eldert, Bklyn., N. Y.
Brey & Krause Mfg. Co., Allentown, Pa.
Champion Hdw. Co., Geneva, O.
Columbus Brass Co., Columbus, O.
Corbin, P. & F., New Britain, Conn.
Dent Hdw. Co., Fullerton, Pa.
Detroit Hdw. Mfg. Co., Detroit, Mich.
Detroit Wks., Detroit, Mich.
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Fernald Mfg. Co., North East, Pa.
Fiwale Equipment Mfg. Co., Inc., 64 Reade, New York, N. Y.
Foster, Merriam & Co., Meriden, Conn. "Efemco"
Frantz Mfg. Co., Sterling, Ill.
Grey Iron Casting Co., Mt. Joy, Pa.
Griffin Mfg. Co., Erie, Pa.
Hager (C.) & Sons Hinge Mfg. Co., St. Louis, Mo.
Heath (J. S.) Co., Chicago, Ill.
Hess (Chas.) Co., 49-14 Metropolitan Av., Bklyn., N. Y.
Imperial Brass Mfg. Co., Chicago, Ill.
Ives (H. B.) Co., New Haven, Conn.
Jencks (E.) Mfg. Co., Worcester, Mass.
Keil (Francis) & Son, Inc., 401 E. 163rd, New York, N. Y.
Knape & Vogt Mfg. Co., Grand Rapids, Mich.
Lawrence Bros., Sterling, Ill.
Lockwood Mfg. Co., Fitchburg, Mass.
McKinney Mfg. Co., Pittsburgh, Pa.
Midwest Hdw. Co., Chicago, Ill.
National Brass Co., Grand Rapids, Mich. "Essential"
National Brass Mfg. Co., Cincinnati, O.
National Mfg. Co., Sterling, Ill.
Ney Mfg. Co., Canton, O.
Norwalk Lock Co., 12 Warren, New York, N. Y.
Parker Wire Goods Co., Worcester, Mass.
Payson Mfg. Co., Chicago, Ill.
Penn Hdw. Co., Reading, Pa.
Peters (Jas.) & Son, Phila., Pa.
Phenix Mfg. Co., Milwaukee, Wis.
Phoenix Lock Wks., 3rd Av., Newark, N. J.
Reading Hdw. Co., Reading, Pa.
Richards (Benj.) & Co., Winsted, Conn.
Richards-Wilcox Mfg. Co., Aurora, Ill.
Russell & Erwin Mfg. Co., New Britain, Conn.
Safe Padlock & Hdw. Co., Lancaster, Pa.
Sager Lock Wks. of Yale & Towne Mfg. Co., N. Chicago, Ill.
Sargent & Co., New Haven, Conn.
Sargent & Greenleaf, Inc., Rochester, N. Y.
Schlangen Mfg. Co., Chicago, Ill.
Sharon Hdw. Mfg. Co., Sharon, Pa.
Shelby Spring Hinge Co., Shelby, O.
Slaymaker Lock Co., Lancaster, Pa.
Stanley Wks., New Britain, Conn.
Stearns (E. C.) & Co., Syracuse, N. Y. "Stearns Ecsco"
Stevenson Mfg. Co., South Bend, Ind.
Stiles (H. A.) & Co., Boston, Mass.
Stover Mfg. & Engine Co., Freeport, Ill.
Stratton Mfg. Co., Stratton, Me.
Swett (A. L.) Iron Works, Medina, N. Y.
Thomas Mfg. Co., Newcastle, Ind.
Wagner Mfg. Co., Cedar Falls, Ia.
Washburn Co., Chicago Div., Chicago, Ill.
Washburn Company, Worcester, Mass.
Weller Hdw. & Foundry Co., Horseheads, N. Y.
Western Brass Mfg. Wks., Chicago, Ill.
Winsted Hdw. Mfg. Co., Winsted, Conn.
Wrightsville Hdw. Co., Wrightsville, Pa.
Wrought Hdw. & Forging Co., Phila., Pa.
Yale & Towne Mfg. Co., Stamford, Conn.

PULLS, Door, Screen

American Brass Goods Co., Grand Rapids, Mich.
American Ring Co., Waterbury, Conn.
Barrows Lock Wks. of Yale & Towne Mfg. Co., Lockport, Ill.
Bommer Spring Hinge Co., 263 Classon Av., B'klyn, N. Y.
Brooks (M. S.) & Sons, Chester, Conn.
Corbin, P. & F., New Britain, Conn.
Fiwale Equipment Mfg. Co., Inc., 64 Reade, New York, N. Y.
Grey Iron Casting Co., Mt. Joy, Pa.
Griffin Mfg. Co., Erie, Pa.
Ives (H. B.) Co., New Haven, Conn.
Kees (F. D.) Mfg. Co. Beatrice, Neb.
Kohler (F. E.) & Co., Canton, O.
Parker Wire Goods Co., Worcester, Mass.
Penn Hdw. Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sager Lock Wks. of Yale & Towne Mfg. Co., No. Chicago, Ill.
Sargent & Co., New Haven, Conn.
Shelby Spring Hinge Co., Shelby, O.
Slaymaker Lock Co., Lancaster, Pa.
Stanley Wks., New Britain, Conn.
Stevenson Mfg. Co., South Bend, Ind.
Stover Mfg. & Engine Co., Freeport, Ill.
Yale & Towne Mfg. Co., Stamford, Conn.

PULLS, Drawer

American Brass Goods Co., Grand Rapids, Mich.
American Ring Co., Waterbury, Conn.
American Specialty Co., Bridgeport, Conn.
Arcade Mfg. Co., Freeport, Ill.
Artistic Bronze Co., Bridgeport, Conn.
Barrows Lock Works of Yale & Towne Mfg. Co., Lockport, Ill.
Bassick Co., Bridgeport, Conn.
Beardsley & Wolcott Mfg. Co., Waterville, Conn.
Bogert & Hopper, 223 Varick, New York, N. Y.
Brainerd Mfg. Co., East Rochester, N. Y.
Brass Goods Mfg. Co., 345 Eldert, B'klyn, N. Y.
Brock Glass Co., Ltd., Santa Ana, Cal.
Brooks (M. S.) & Sons, Chester, Conn.
Champion Hdw. Co., Geneva, O.
Chantrell Hdw. & Tool Co., Reading, Pa.
Corbin Cabinet Lock Co., New Britain, Conn.
Corbin, P. & F., New Britain, Conn.
Dent Hdw. Co., Fullerton, Pa.
Eagle Lock Co., Terryville, Conn.
Earle Hardware Mfg. Co., Reading, Pa.
Ellis Mfg. Co., Milldale, Conn.
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Fiwale Equipment Mfg. Co., Inc., 64 Reade, New York, N. Y.
Foster, Merriam & Co., Meriden, Conn.
Frantz Mfg. Co., Sterling, Ill.
Grand Rapids Brass Co., Grand Rapids, Mich.
Grey Iron Casting Co., Mt. Joy, Pa.
Griffin Mfg. Co., Erie, Pa.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Harry Bros. Mfg. Co., Detroit, Mich.
Ives (H. B.) Co., New Haven, Conn.
Jencks (E.) Mfg. Co., Worcester, Mass.
Keil (Francis) & Son, Inc., 401 E. 163d, New York, N. Y.
Kersten Co., Inc., Chicago, Ill.
Knape & Vogt Mfg. Co., Grand Rapids, Mich.
Laughlin (Thos.) Co., Portland, Me.
Lawrence Bros., Sterling, Ill.
McKinney Mfg. Co., Pittsburgh, Pa.
National Brass Co., Grand Rapids, Mich.
National Brass Mfg. Co., Cincinnati, O.
National Lock Co., Rockford, Ill.
National Mfg. Co., Sterling, Ill.
Norwalk Lock Co., 12 Warren, New York, N. Y.
Parker Metal Goods Co., Worcester, Mass.
Parker Wire Goods Co., Worcester, Mass.
Payson Mfg. Co., Chicago, Ill.
Penn Hdw. Co., Reading, Pa.
Phoenix Lock Wks., 3d Av., Newark, N. J.
Reading Hdw. Co., Reading, Pa.
Richards (Benj.) & Co., Winsted, Conn.
Rowe (Henry) Mfg. Co., Newaygo, Mich.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sager Lock Works of Yale & Towne Mfg. Co., N. Chicago, Ill.
Sargent & Co., New Haven, Conn.
Schlangen Mfg. Co., Chicago, Ill.
Sharon Hdw. Mfg. Co., Sharon, Pa.
Shelby Metal Products Co., Shelby, O. "Standard"
Shelby Spring Hinge Co., Shelby, O.
Slaymaker Lock Co., Lancaster, Pa.
Standard Mfg. Co., Shelby, O.
Stanley Wks., New Britain, Conn.
Stearns (E. C.) & Co., Syracuse, N. Y. "Stearns Ecsco"
Stevenson Mfg. Co., South Bend, Ind.
Stiles (H. A.) & Co., Boston, Mass.
Stover Mfg. & Engine Co., Freeport, Ill.
Stratton Mfg. Co., Stratton, Me.
Technical Glass Co., Inc., 2050 E. 48th, Los Angeles, Cal. (Glass)
Tru-Lite Mfg. Co., Bradford, Pa.
United States Lock & Hdw. Co., Columbia, Pa.
Waddell Mfg. Co., Grand Rapids, Mich.
Washburn Company, Worcester, Mass.
Weber-Knapp Co., Jamestown, N. Y.
Winsted Hardware Mfg. Co., Winsted, Conn.
Wrightsville Hdw. Co., Wrightsville, Pa.
Yale & Towne Mfg. Co., Stamford, Conn.

PULLS, Window

American Metal Products Co., Detroit, Mich. "Met-All"
Barrows Lock Wks. of Yale & Towne Mfg. Co., Lockport, Ill.
C-K-R Company, Cleveland O.
Corbin, P. & F., New Britain, Conn.
Dennis (W. J.) & Co., Chicago, Ill. "Lawlor"
Piqua Handle & Mfg. Co., Piqua, O.
Sager Lock Wks. of Yale & Towne Mfg. Co., N. Chicago, Ill.
Yale & Towne Mfg. Co., Stamford, Conn.

PULLS, Window Shade

Seinsheimer Paper Co., Cincinnati, O. "Shademore"
Shademore Mfg. Co., 1225 Exeter, Cincinnati, O.

PULL TOYS—See Push and Pull Toys

PULP WOOD SAWS—See Saws, Pulp Wood

PUMP BUCKETS—See Buckets, Pump

PUMP CHAIN—See Chain, Pump

PUMP JACKS—See Jacks, Pump

PUMP LEATHERS—See Leathers, Pump

PUMP OILING CANS—See Cans, Oiling

PUMP STANDS—See Stands, Pump

PUMP VALVES—See Valves, Pump

PUMPS, Air

Myers (F. E.) & Bro. Co., 902 Church, Ashland, O. (Air and Water for Private Water Systems)

PUMPS, Automatic

Myers (F. E.) & Bro. Co., 902 Church, Ashland, O. (Electric)

PUMPS, Barrel

Attwood Brass Wks., Grand Rapids, Mich.
Blackmer Pump Co., Grand Rapids, Mich. "Big Brother"
Brown (E. C.) Co., Rochester, N. Y.
Brown Sheet Iron & Steel Co., St. Paul, Minn.
Coil Mfg. Co., Evansville, Ind. (Dispenser)
Deming Co., Salem, O. "Century," "Major," "New Captain," "New Century," "New Major"
Douglas (W. & B.) Pump Co., Phila., Pa.
Gold Star Products, Inc., Detroit, Mich.
Goulds Pumps, Inc., Seneca Falls, N. Y.
Hudson (H. D.) Mfg. Co., Chicago, Ill.
Hydraulic Press Mfg. Co., Mt. Gilead, O. "Mount Gilead"
Lowell Specialty Co., Lowell, Mich.
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O. "Cog Gear," "Improved," "O. K."
Omaha Folding Mach. Co., Omaha, Neb. "Savegas"
Potato Implement Co., Traverse City, Mich. "Acme"
Redlich Mfg. Co., Chicago, Ill.
Rose (Frank) Mfg. Co., Hastings, Neb. (Tank Drainer)
Rothweiler & Co., Seattle, Wash.
Sexton Can Co., Everett, Mass.
Smith (D. B.) & Co., Utica, N. Y. "Lightning," "Yankee"
Sommer (John) Faucet Co., 32 Morris Av., Newark, N. J.

PUMPS, Basket Ball—See Pumps, Foot Ball, Etc.

PUMPS, Belt Driven

Myers (F. E.) & Bro. Co., 902 Church, Ashland, O. (Power)

PUMPS, Bicycle—See Pumps, Tire Hand

PUMPS, Bilge

Bevin Bros. Mfg. Co., East Hampton, Conn.
C. H. & E., Mfg. Co., Milwaukee, Wis.
Deming Co, Salem, O.
Douglas (W. & B.) Pump Co., Phila., Pa.
Goulds Pumps, Inc., Seneca Falls, N. Y.
Laughlin (Thos.) Co., Portland, Me.
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O.
Smith (D. B.) & Co., Inc., Utica, N. Y. "Watermaster"
Wilcox, Crittenden & Co, Inc., 77 S. Main, Middletown, Conn.
Worthington Pump & Mchry. Corp., 115 B'way, New York, N. Y.

PUMPS, Boiler Feed

Myers (F. E.) & Bro. Co., 902 Church, Ashland, O. (Self Oiling)

PUMPS, Bucket

Blackmer Pump Co., Grand Rapids, Mich.
Brown (E. C.) Co., Rochester, N. Y.
Cincinnati Pump Mfg. Co., Cincinnati, O. "Boss"
Deming Co., Salem, O. "Perfect Success," "Prize," "Success," "Sur-Prize"
Douglas (W. & B.) Pump Co., Phila., Pa. "Aquapeller," "Aquapult," "Forester"

PUMPS, Bucket (Continued)

Hudson (H. D.) Mfg. Co., Chicago, Ill.
Lowell Specialty Co., Lowell, Mich.
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O. "Defiance," "Imperial," "Little Giant," "Peerless"
Schriver (O. P.) Co., Cincinnati, O. "E-Z"
Star Bucket Pump Co., St. Louis, Mo. "Empire," "Simplex"
Weaver Mfg. Co., Springfield, Ill.

PUMPS, Centrifugal

Aldrich Pump Co., Allentown, Pa.
American Steam Pump Co., Battle Creek, Mich. "American Marsh"
American Well Wks., Aurora, Ill.
Atlas Brass Fdry. Co., Columbus, O.
Barnes Mfg. Co., Mansfield, O.
Dayton-Dowd Co., Quincy, Ill.
Deming Co., Salem, O.
Fairbanks, Morse & Co., Chicago, Ill.
Goulds Pumps, Inc., Seneca Falls, N. Y.
Humphryes Mfg. Co., Mansfield, O.
Johnson Motor Co., Waukegan, Ill.
National Lead Co., 111 B'way, New York, N. Y. (Acid)
Novo Engine Co., Lansing, Mich.
Rumsey Pump Co., Seneca Falls, N. Y.
Worthington Pump & Mchry. Corp., 115 B'way, New York, N. Y.

PUMPS, Chain

Bushnell Pump Co., Bushnell, Ill.
Cincinnati Pump Mfg. Co., Cincinnati, O. "Anti Freezer," "Queen City"
Consolidated Pump & Ladder Co., Toledo, O. "Toledo"
Fairbanks, Morse & Co., Chicago, Ill.
Ferguson Mfg. Co., Dubuque, Ia.
Monarch Engineering Co., Dayton, O.
Rich Pump Co., Cincinnati, O.
Schriver (O. P.) Co., Cincinnati, O. "Gem," "I. X. L."
Star Bucket Pump Co., St. Louis, Mo. "Acme," "Daisy," "Jewel," "Rex"
Worthington Pump & Mchry. Corp., 115 B'way, New York, N. Y.

PUMPS, Cider

Deming Co., Salem, O.
Douglas (W. & B.) Pump Co., Phila., Pa.
Goulds Pumps, Inc., Seneca Falls, N. Y.
Worthington Pump & Mchry. Corp., 115 B'way, New York, N. Y.

PUMPS, Cistern and Sink

Beatrice Steel Tank Mfg. Co., Beatrice, Neb. "Nu-Way"
Deming Co., Salem, O.
Goulds Pumps, Inc., Seneca Falls, N. Y.
Hudson (H. D.) Mfg. Co., Chicago, Ill. "Davis Hansen," "Oshkosh"
Myers (F E.) & Bro. Co., 902 Church, Ashland, O. "Cog Gear," (Brass Cylinder)

PUMPS, Compression Air Spray

Myers (F. E.) & Bro. Co., 902 Church, Ashland, O. (Tank)

PUMPS, Diaphragm

(See also Pumps, Pitcher Spout)

Barnes Mfg. Co., Mansfield, O. "Anti-Splash"
Deming Co., Salem, O.
Diamond Rubber Co., Inc., Akron, O.
Domestic Engine & Pump Co., Shippensburg, Pa.
Douglas (W. & B.) Pump Co., Phila., Pa. "Acme," "Ajax"
Goulds Pumps, Inc., Seneca Falls, N. Y.
Inman (D. A.) & Co., Sandwich, Ill. "Sandwich"
Humphryes Mfg. Co., Mansfield, O.
Loughlin (Thos.) Co., Portland, Me.
Novo Engine Co., Lansing, Mich.
Baker City Rubber Co., Phila., Pa. (Rubber)
Rumsey Pump Co., Seneca Falls, N. Y.
Stewart Mfg. Co., Waterloo, Ia.
United Engine Co., Lansing, Mich.
Waterloo Construction Mchy. Co., Waterloo, Ia. "Wonder"

PUMPS, Drainage

Myers (F. E.) & Bro. Co., 902 Church, Ashland, O.

PUMPS, Football, Etc.

Bridgeport Brass Co., Bridgeport, Conn.
Draper-Mayard Co., Plymouth, N. H.
Goldsmith (P.) Sons, Cincinnati, O.
Im-Wel Sporting Goods Co., Utica, N. Y.
Lera Mfg. Co., Waterbury, Conn.
Swlings Mfg. Co., St. Louis, Mo.
Spalding (A. J.) Wright & Ditson, Inc., Phila., Pa.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Wall & Dean Mfg. Co., Brockton, Mass.

PUMPS, Force

American Steam Pump Co., Battle Creek, Mich. "American-Marsh"
Barnes Mfg. Co., Mansfield, O.
Bishop & Babcock Sales Co., Cleveland, O.
Brown (E. C.) Co., Rochester, N. Y.
Deming Co., Salem, O. "Premium"
Douglas (W. & B.) Pump Co., Phila., Pa. "Manhattan," "Palmetto"
Fairbanks, Morse & Co., Chicago, Ill.
Flint & Walling Mfg. Co., Kendallville, Ind. "Hoosier"
Humphryes Mfg. Co., Mansfield, O.
Mast, Foos & Co., Springfield, O. "Buckeye"
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O. "Ashland," "Cog Gear," "Defiance," "Economy," "Simplex"
Red Cross Mfg. Co., Bluffton, Ind.
Scott Pump Co., Rochester N. Y. (Water)
Worthington Pump & Mchry. Corp., 115 B'way, New York, N. Y.

PUMPS, Gasoline, Self-Measuring

Bowser (S. F.) & Co., Ft. Wayne, Ind.
Butler Mfg. Co., Kansas City, Mo.
Columbian Steel Tank Co., Kansas City, Mo.
Dayton Pump & Mfg. Co., Dayton, O. "Rapidayton"
Gilbert & Barker Mfg. Co., Springfield, Mass.
Hayes Equipment Mfg. Co., Wichita, Kan.
Omaha Folding Machine Co., Omaha, Neb. "Savegas"
Perfection Mfg. Co., Minneapolis, Minn.
Sexton Can Co., Everett, Mass.
Wayne Co., Ft. Wayne, Ind.
Wilson & Bennett Mfg. Co., Chicago, Ill.

PUMPS, Grease—See Pumps, Oil and Grease

PUMPS, Hand and Wind Mill

Aermotor Co., Chicago, Ill.
Baker Mfg. Co., Evansville, Wis. "Monitor"
Barnes Mfg. Co., Mansfield, O. "Anti-Freeze"
Beckman Bros., Des Moines, Ia. "B. B."
Bushnell Pump Co., Bushnell, Ill.
Butler Co., Butler, Ind.
Challenge Co., Batavia, Ill.
Crestline Mfg. Co., Crestline, O. "Classic," "Gold Bond," "Little King," "Octagon," "Panama," "Pilot," "Reliance," "Suez," "Vulcan'
Deming Co., Salem, O. "Blue Special," "Domestic," "Farmers' Favorite," "Giant," "Ideal," "Little Giant," "Mascot," "Premium"
Dempster Mill Mfg. Co., Beatrice, Neb.
Domestic Engine & Pump Co., Shippensburg, Pa. "Economic," "Etter," "Golden Gate," "Occidental"
Douglas (W. & B.) Pump Co., Phila., Pa.
Fairbanks, Morse & Co., Chicago, Ill. "Eclipse"
Flint & Walling Mfg. Co., Kendallville, Ind. "Fast Mail," "Hoosier"
Goulds Pumps, Inc., Seneca Falls, N. Y. "Alert," "Challenge," "Columbia," "Empire," "Pyramid," "Universe"
Hayes Pump & Planter Co., Galva, Ill.
Heller-Aller Co., Napoleon, O.
Hudson (H. D.) Mfg. Co., Chicago, Ill. "Oshkosh"
Humphryes Mfg. Co., Mansfield, O.
Mast, Foos & Co., Springfield, O. "Buckeye"
McDonald (A. Y.) Mfg. Co., Dubuque, Ia.
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O. "Advance," "Ashland," "Branch Pipe," "Cog Gear," "Defiance," "Hercules," "Victor," "Windmill Regulator"
Plattner-Yale Mfg. Co., Lincoln, Neb.
Red Cross Mfg. Co., Bluffton, Ind.
Red Jacket Mfg. Co., Davenport, Ia. "Never-Fail," "So-Easy-to-Fix"
Roper (Geo. D.) Corp., Rockford, Ill. "Trahern"
Ross Supply Co., Greenville, O. "Rex"
Rumsey Pump Co., Seneca Falls, N. Y. "Always Primed," "Capital," "Eagle," "Excelsior," "Florida," "Gem," "Maltese Cross," "Terror," "Tom Thumb," "Yankee"
U. S. Wind Engine & Pump Co., Batavia, Ill. "Curtis," "Royal Blue"
Ward Pump Co., Rocford, Ill.
Woodmanse Mfg. Co., Freeport, Ill.

PUMPS, House

American Well Wks., Aurora, Ill.
Barnes Mfg. Co., Mansfield, O.
Beloit Mfg. Co., Beloit, Wis.
Blue Ball Mach. Wks., Blue Ball, Pa.
Dayton Pump & Mfg. Co., Dayton, O.
Decatur Pump Co., Decatur, Ill. "Burks" (Electric or Gasoline)
Deming Co., Salem, O.
Douglas (W. & B.) Pump Co., Phila., Pa.
Ft. Wayne Engineering & Mfg. Co., Ft. Wayne, Ind. "Paul"
Goulds Pumps, Inc., Seneca Falls, N. Y.
Humphryes Mfg. Co., Mansfield, O.
Leavitt Machine Co., Orange, Mass. "Athol"
Mast, Foos & Co., Springfield, O. "Buckeye"
Monarch Engineering Co., Dayton, O.
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O.

PUMPS, House, Electric

American Well Works, Aurora, Ill.
Beloit Mfg. Co., Beloit, Wis.
Decatur Pump Co., Decatur, Ill. "Burks"
Deming Co., Salem, O. "Marvel," "Oil-Rite"
Flint & Walling Mfg. Co., Kendallville, Ind. "Hoosier"
Monarch Engineering Co., Dayton, O.
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O. "Self-Oiling"
Worthington Pump & Mchy. Corp., 115 B'way, New York, N. Y.

PUMPS, House, Force

Deming Co., Salem, O.
Hudson (H. D.) Mfg. Co., Chicago, Ill. "Oshkosh"
McDonald (A. Y.) Mfg. Co., Dubuque, Ia.
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O. "Cog Gear"
Red Cross Mfg. Co., Bluffton, Ind.
Worthington Pump & Mchy. Corp., 115 B'way, New York, N. Y.

PUMPS, Irrigating

Myers (F. E.) & Bro. Co., 902 Church, Ashland, O. (Self-Oiling Power)

PUMPS, Oil and Grease

Attwood Brass Wks., Grand Rapids, Mich.
Blackmer Pump Co., Grand Rapids, Mich. "Big Boy"
Butler Mfg. Co., Kansas City, Mo.
Deming Co., Salem, O.
Dempster Mill Mfg. Co., Beatrice, Neb.
McDonald (A. Y.) Mfg. Co., Dubuque, Ia.
National Enameling & Stamping Co., Milwaukee, Wis.
Perfection Mfg. Co., Minneapolis, Minn. (Oil)
Stratton & Terstegge Co., Inc., Mfg. Div., Louisville, Ky. "Falls City"
Wayne Co., Ft. Wayne, Ind.
Worthington Pump & Mchy. Corp., 115 B'way, New York, N. Y.

PUMPS, Pitcher Spout

(See also Pumps, Diaphragm)

Barnes Mfg. Co., Mansfield, O.
Deming Co., Salem, O.
Dempster Mill Mfg. Co., Beatrice, Neb.
Douglas (W. & B.) Pump Co., Phila., Pa.
Goulds Pumps, Inc., Seneca Falls, N. Y.
Hudson (H. D.) Mfg. Co., Chicago, Ill. "Oshkosh"
Humphryes Mfg. Co., Mansfield, O.
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O. "Cog Gear"
Red Cross Mfg. Co., Bluffton, O.
Red Jacket Mfg. Co., Davenport, Ia.
Roper (Geo. D.) Corp., Rockford, Ill. "Trahern"
Rumsey Pump Co., Seneca Falls, N. Y.

PUMPS, Plunger

Myers (F. E.) & Bro. Co., 902 Church, Ashland, O.

PUMPS, Portable, Hand

Baker Mfg. Co., Evansville, Wis.
Barnes Mfg. Co., Mansfield, O. "Hydroject"
Bishop & Babcock Sales Co., Cleveland, O. (Air)
Decatur Pump Co., Decatur, Ill. "Burks" (Electric or Gasoline)
Deming Co., Salem, O. "Blue Special," "Climax," "Ideal," "Marvel," "New Era"
Douglas (W. & B.) Pump Co., Phila., Pa.
Goulds Pumps, Inc., Seneca Falls, N. Y.
Humphryes Mfg. Co., Mansfield, O.
Mast, Foos & Co., Springfield, O. "Buckeye"
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O.
Red Cross Mfg. Co., Bluffton, O.
Red Jacket Mfg. Co., Davenport, Ia. "So-Easy-to-Fix"
Rumsey Pump Co., Seneca Falls, N. Y. "Aquaject"
Worthington Pump & Mchy. Corp., 115 B'way, New York, N. Y.

PUMPS, Power

American Well Wks., Aurora, Ill.
Barnes Mfg. Co., Mansfield, O. "Hercules," "Premier," "Quadruplex," "Triplex"
Beloit Mfg. Co. Beloit, Wis.
Blackmer Pump Co., Grand Rapids, Mich.
Crestline Mfg. Co., Crestline, O.
Dayton Pump & Mfg. Co., Dayton, O.
Decatur Pump Co., Decatur, Ill. "Burks"
Deming Co., Salem, O. "Atlas," "Oil-Rite," "Triplex"
Dempster Mill Mfg. Co., Beatrice, Neb.
Douglas (W. & B.) Pump Co., Phila., Pa. "Miracle," "Perfecto," "Pneutank"
Fairbanks, Morse & Co., Chicago, Ill. "Deluge," "Eclipse," "Mist," "Typhoon"
Flint & Walling Mfg. Co., Kendallville, Ind. "Hoosier"
Goulds Pumps, Inc., Seneca Falls, N. Y. "Challenge," "Pyramid"
Hayes Pump & Planter Co., Galva, Ill.
Heller-Aller Co., Napoleon, O.
Henderer's (A. L.) Sons, E. Wilmington, Del. (Hydraulic)

PUMPS, Power (Continued)

Hinman (D. A.) & Co., Sandwich, Ill. "Sandwich"
Humphryes Mfg. Co., Mansfield, O.
Kansas City Hay Press Co., Kansas City, Mo.
Labaw, L. R. H., Belle Meade, N. J.
Kewanee Private Utilities Co., Kewanee, Ill.
Luitwieler Pumping Engine Co., Rochester, N. Y.
Luther Mfg. Co., Inc., Olean, N. Y. "Eclipse"
Mast, Foos & Co., Springfield, O. "Buckeye"
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O. "Ashland," "Bulldozer," "Defiance," "Direct Line," "Faultless," "Hercules," "New Century," "Self-Lubricating," "Self-Oiling"
Novo Engine Co., Lansing, Mich.
Peters Pump Co., Kewanee, Ill.
Red Cross Mfg. Co., Bluffton, Ind.
Rumsey Pump Co., Seneca Falls, N. Y. "Atlantic," "Klnt"
Schramm (Chris. D.) & Son, Phila., Pa.
Steiner (M.) & Co., Dayton, O. "Bestyet"
Viking Pump Co., Cedar Falls, Ia.
Ward Pump Co., Rockford, Ill.
Witte Engine Wks., Kansas City, Mo.
Worthington Pump & Mchy. Corp., 115 B'way, New York, N. Y.

PUMPS, Ratchet

Barnes Mfg. Co., Mansfield, O. "Imperial"
Crestline Mfg. Co., Crestline, O.
Deming Co., Salem, O. "Climax," "Cogswell," "Giant," "Peerless"
Dempster Mill Mfg. Co., Beatrice, Neb.
Domestic Engine & Pump Co., Shippensburg, Pa. "Etter"
Duplex Mfg. Co., Superior, Wis. "Standard"
Hayes Pump & Planter Co., Galva, Ill.
Heller-Aller Co., Napoleon, O.
Humphryes Mfg. Co., Mansfield, O.
Mast, Foos & Co., Springfield, O. "Buckeye"
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O. "Cog Gear"
Peters Pump Co., Kewanee, Ill.
Rumsey Pump Co., Seneca Falls, N. Y.
Wistrand Mfg. Co., Galva, Ill. "Blue Star"

PUMPS, Rotary

Barnes Mfg. Co., Mansfield, O.
Beach-Russ Co., 50 Church, New York, N. Y.
Blackmer Pump Co., Grand Rapids, Mich. "Big Boy," "Big Brother," "Black Mer Maid"
Deming Co., Salem, O.
Douglas (W. & B.) Pump Co., Phila., Pa.
Fairbanks, Morse & Co., Chicago, Ill.
Goulds Pumps, Inc., Seneca Falls, N. Y.
Howell (R. R.) & Co., Minneapolis, Minn.
Hudson (H. D.) Mfg. Co., Chicago, Ill.
Perfection Mfg. Co., Minneapolis, Minn.
Red Cross Mfg. Co., Bluffton, Ind.
Roper (Geo. D.) Corp., Rockford, Ill. "Trahern"
Rumsey Pump Co., Seneca Falls, N. Y.
Schramm (Chris. D.) & Son, Phila., Pa.
Sexton Can Co., Everett, Mass.
Viking Pump Co., Cedar Falls, Ia.
Ward Pump Co., Rockford, Ill.
Worthington Pump & Mchy. Corp., 115 B'way, New York, N. Y.

PUMPS, Sink—See Pumps, Cistern nad Sink

PUMPS, Siphon

Aermotor Co., Chicago, Ill.
Barnes Mfg. Co., Mansfield, O.
Challenge Co., Batavia, Ill.
Crestline Mfg. Co., Crestline, O.
Deming Co., Salem, O.
Dempster Mill Mfg. Co., Beatrice, Neb.
Douglas (W. & B.) Pump Co., Phila., Pa.
Fairbanks, Morse & Co., Chicago, Ill.
Flint & Walling Mfg. Co., Kendallville, Ind. "Hoosier"
Goulds Pumps, Inc., Seneca Falls, N. Y.
Hayes Pump & Planter Co., Galva, Ill.
Humphryes Mfg. Co., Mansfield, O.
Mast, Foos & Co., Springfield, O. "Buckeye"
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O.
Rumsey Pump Co., Seneca Falls, N. Y.

PUMPS, Spray

Barnes Mfg. Co., Mansfield, O. "Gem," "Perfection"
Bean (John) Mfg. Co., Lansing, Mich. "Little Giant," "Magic"
Binks Mfg. Co., Chicago, Ill.
Brown (E. C.) Co., Rochester, N. Y. "Autospray"
Bushnell Pump Co., Bushnell, Ill.
Crestline Mfg. Co., Crestline, O. "Broncho," "Nymph," "Rainbow," "Sunshine"
Deming Co., Salem, O. "Aerospra Century," "Farmer's Friend," "Major," "Perfect Success," "Prize," "Samson," "Success," "Wheelabout"
Domestic Engine & Pump Co., Shippensburg, Pa.
Douglas (W. & B.) Pump Co., Phila., Pa. "Arlington," "Forester," "Saybrook"
Fairbanks, Morse & Co., 900 S. Wabash Av., Chicago, Ill.
Field Force Pump Co., Elmira, N. Y. "Empire," "Empire King," "Handy," "Little Gem," "White Star"
Friend Mfg. Co., Inc., Gasport, N. Y.
Goulds Pumps, Inc., Seneca Falls, N. Y. "Admiral," "Bordeaux," "Fruital," "Pomona"
Hardie Mfg. Co., Hudson, Mich.
Hayes Pump & Planter Co., Galva, Ill. "Coleman"
Hudson (H. D.) Mfg. Co., Chicago, Ill. "King," "Magic," "Marvel," "Modoc," "Mohawk," "Moro," "Wide World"
Humphryes Mfg. Co., Mansfield, O. "Perfected"
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O. "Cog Gear," "Defiance," "Faultless," "Fountain," "Handy," Imperial," "Little Giant," "O. K.," "Panama," "Peerless," "Perfect," "Pitman," "Portable"
Peoria Hydraulic Pump Co., Peoria, Ill. "Anti-suction"
Red Cross Mfg. Co., Bluffton, Ind. "Champion," "Handy," "Utility"
Rippley Mfg. Co., Grafton, Ill.
Rumsey Pump Co., Seneca Falls, N. Y. "Aquaject," "Essex," "Floral," "Harvard," "Hydroject," "Superior"
Stahl (Wm.) Sprayer Co., Quincy, Ill. "Excelsior"
Ward Pump Co., Rockford, Ill.

PUMPS, Spray, Power

Bean (John) Mfg. Co., Lansing, Mich. "Giant"
Crestline Mfg. Co., Crestline, O. "Tiny Whale"
Deming Co., Salem, O. "Oil-Rite"
Douglas (W. & B.) Pump Co., Phila., Pa. "Charter Oak," "Woodland"
Field Force Pump Co, Elmira, N. Y. "Empire"
Goulds Pumps, Inc., Seneca Falls, N. Y. "Dreadnaught," "Emperor," "Invincible," "Sturdy"
Hardie Mfg. Co., Hudson, Mich.
Hayes Pump & Planter Co., Galva, Ill.
Hydraulic Press Mfg. Co., Mt. Gilead, O. "Mount Gilead," "Oil-Rite"
Myers (F. E.) & Bro., 902 Church, Ashland, O. "Bulldozer," "Cub," "Du-All," "Giant," "Junior," "Self-Oiling, "Senior"
Peoria Hydraulic Pump Co., Peoria, Ill.
Rumsey Pump Co., Seneca Falls, N. Y. "Empire"
Stahl (Wm.) Sprayer Co., Quincy, Ill. "Excelsior"
Ward Pump Co., Rockford, Ill. "Bull Dog," "Invincible"

PUMPS, Sump

American Well Works, Aurora, Ill.
Aldrich Pump Co., Allentown, Pa.
Deming Co., Salem, O.
Fairbanks, Morse & Co., Chicago, Ill.
Gould Pumps, Inc., Seneca Falls, N. Y.
Penberthy Injector Co., Detroit, Mich.
Worthington Pump & Machry. Corp., 115 B'way, New York, N. Y.

PUMPS, Tank

Barnes Mfg. Co., Mansfield, O. "Favorite," "Peerless"
Blackmer Pump Co., Grand Rapids, Mich. "Big Brother"
Bushnell Pump Co., Bushnell, Ill.
Butler Co., Butler, Ind.
Case (J. I.) Co., Racine, Wis.
Crestline Mfg. Co., Crestline, O. "Cresco"
Dayton Pump & Mfg. Co., Dayton, O.
Deming Co., Salem, O. "Giant"
Dempster Mill Mfg. Co., Beatrice, Neb.
Douglas (W. & B.) Pump Co., Phila., Pa. "Royal"
Fairbanks, Morse & Co., Chicago, Ill.
Flint & Walling Mfg. Co., Kendallville, Ind. "Hoosier"
Goulds Pumps, Inc., Seneca Falls, N. Y.
Hayes Pump & Planter Co., Galva, Ill.
Heller-Aller Co., Napoleon, O.
Herschel (R.) Mfg. Co., Peoria, Ill.
Humphryes Mfg. Co., Mansfield, O.
Mast, Foos & Co., Springfield, O. "Buckeye"
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O. "Ashland," "Century," "Cog Gear," "Faultless," "Giant," "Low Down," "New Model"
Red Cross Mfg. Co., Bluffton, Ind.
Red Jacket Mfg. Co., Davenport, Ia.
Rumsey Pump Co., Seneca Falls, N. Y.
Viking Pump Co., Cedar Falls, Ia.
Ward Pump Co., Rockford, Ill.
Whitaker Mfg. Co., Chicago, Ill. "Baltic"
Winter (F. W.) & Co., Faribault, Minn. "Acme," "King," "Western"
Worthington Pump & Mchy. Corp., 115 B'way, New York, N. Y.

PUMPS, Tank, Pressure

American Well Works, Aurora, Ill.
Barnes Mfg. Co., Mansfield, O.
Bushnell Pump Co., Bushnell, Ill.
Crestline Mfg. Co., Crestline, O. "Hector"
Dayton Pump & Mfg. Co., Dayton, O.
Decatur Pump Co., Decatur, Ill. "Burks" (Electric or Gasoline)
Deming Co., Salem, O. "Atlas," "Climax," "Marvel," "Oil-rite"
Douglas (W. & B.) Pump Co., Phila., Pa. "Pneutank"
Flint & Walling Mfg. Co., Kendallville, Ind. "Hoosier"
Goulds Pumps, Inc., Seneca Falls, N. Y.
Hudson (H. D.) Mfg. Co., Chicago, Ill. "Oshkosh"
Leader Iron Wks., Decatur, Ill.
Mast, Foos & Co., Springfield, O. "Buckeye"
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O. "Bulldozer," "Century," "Defiance," "Direct," "Self-Lubricating," "Self-Oiling"
Peters Pump Co., Kewanee, Ill.
Red Jacket Mfg. Co., Davenport, Ia.
Ward Pump Co., Rockford, Ill.
Worthington Pump & Machry. Corp., 115 B'way, New York, N. Y.

PUMPS, Tire, Hand

Ajax Auro Parts Co., Racine Wis.
Autoquip Mfg. Co., Inc., Rochester, N. Y. "Paramount," "Peerless," "Royal Triple," "Triple Special," "Triumph," "Try It," "Twin"
Bell Pump & Mfg. Co., Detroit, Mich.
Bridgeport Brass Co., Bridgeport, Conn.
Clendenin Bros., Inc., Baltimore, Md. "Little Giant" "Reliance"
Codman & Shurtleff, Boston, Mass.
Coleman Lamp & Stove Co., Wichita, Kan. "Quick-Fill"
E. M. G. Mfg. Co., Ethridge, Tenn.
Hite Mfg. Co., Chattanooga, Tenn.
Ideal Clamp Mfg. Co., 200 Bradford, B'klyn, N. Y.
Imperial Brass Mfg. Co., Chicago, Ill. "Wixon"
Inland Pump Mfg. Co., Chicago, Ill. "Ideal"
Jaden (F.) Mfg. Co., Hastings, Neb. "Golden Rod"
Judd & Leland Mfg. Co., Clifton Springs, N. Y. "Blue Devil," "Cyclone," "Eureka," "Excel," "Harlem," 'Little Taylor," "Red Bird," "Tornado," "Victor"
Kellogg Mfg. Co., Rochester, N. Y.
Michigan Steel Tube Products Co., Detroit, Mich. "Acme"
Monroe Auto Equipment Co., Monroe, Mich.
Noblitt-Sparks Industries, Inc., Indianapolis, Ind.
Noera Mfg. Co., Waterbury, Conn. "Waterbury"
Rose (Frank) Mfg. Co., Hastings, Neb.
Shawver Co., Springfield, O. "Springffield"
Sunderland Co., Chicago, Ill.
Turner Brass Works, Sycamore, Ill.
Winsted Hdw. Mfg. Co., Winsted, Conn. "Durabilt"

PUMPS, Vinegar

Redlich Mfg. Co., Chicago, Ill. (Wooden)
Sommer (John) Faucet Co., 32 Morris Ave., Newark, N. J. (Wooden)

PUMPS, Volley Ball—See Pumps, Foot Ball, Etc.

PUMPS, Well—See Pumps, Chain; also Pumps, House

PUMPS, Well, Hand and Power

Myers (F. E.) & Bro. Co., 902 Church, Ashland, O.

PUMPS, Wind Mill—See Pumps, Hand and Wind Mill

PUMPS, Wind Mill, Regulator

Myers (F. E.) & Bro. Co., 902 Church, Ashland, O.

PUNCHES, Belt and Saddlers'

American Swiss File & Tool Co., Elizabeth, N. J.
Atkins (E. C.) & Co., Indianapolis, Ind.
Bullock Mfg. Associates, Div. or Parker Wire Goods Co., Worcester, Mass.
Eyelet Tool Co., Boston, Mass.
Johnson (William), Inc., 36 Brenner, Newark, N. J.
Kilborn & Bishop Co., New Haven, Conn. "Green Line"
Kraeuter & Co., 583 18th Av., Newark, N. J.
Manufacturers Belt Hook Co., Chicago, Ill. "L-X"
Millers Falls-Goodell Pratt Co., Greenfield, Mass. "Easy Hold," "Wont Roll"
Osborne (C. S.) & Co., Box 183, Newark, N. J.
Parker Wire Goods Co., Worcester, Mass.
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Sayre (L. A.) Co., 332 Mulberry, Newark, N. J.
Schollhorn (Wm.) Co., New Haven, Conn. "Bernard," "Lodi," Paragon"
Smith, Otis A., Rockfall, Conn.
Stortz (John) & Son, Phila., Pa.
Tuck Mfg. Co., Brockton, Mass.
Vaughan & Bushnell Mfg. Co., Chicago, Ill. "V. & B."
Western Steel Products Co., Duluth, Minn. "Westco"

PUNCHES, Blacksmiths'

Albert Tool Co., Mercer, Pa.
American Swiss File & Tool Co., Elizabeth, N. J.
Cincinnati Tool Co., Montgomery Rd., Cincinnati, O.
Cream City Tool & Mfg. Co., Milwaukee, Wis. "Peerless"
Drew (C.) & Co., Kingston, Mass.
Evansville Tool Wks., Inc., Evansville, Ind. "Acme," "Tested"
Iron City Tool Wks., Pittsburgh, Pa.
Kilborn & Bishop Co., New Haven Conn. "Green Line"
Kraeuter & Co., 575 18th Av., Newark, N. J.
Oxford Tool Co., Phila., Pa.
Stanley Wks., New Britain, Conn. "Stanley-Atha"
Tiffany (Carroll R.), Conklin, N. Y. "Ace"
Vlchek Tool Co., 3006 E. 87th, Cleveland, O.

PUNCHES, Center and Prick

American Swiss File & Tool Co., Elizabeth, N. J.
Barcalo Mfg. Co., Buffalo, N. Y.
Billings & Spencer Co., Hartford, Conn.

PUNCHES, Center and Prick (Continued)

Bridgeport Hdw. Mfg. Corp., 200 Seaside Park, Bridgeport, Conn.
Brown & Sharpe Mfg. Co., Providence, R. I.
Buck Bros., Millbury, Mass.
Buffum (Frank G.) Mfg. Co., Louisiana, Mo.
Bullock Mfg. Associates, Div. of Parker Wire Goods Co., Worcester, Mass.
Carver Tool Wks., Spring Valley, N. Y.
Central Auto Ingnition Co., Chicago, Ill.
Chicago Tool & Kit Mfg. Co., Chicago, Ill. "C.T.K."
Cincinnati Tool Co., Montgomery Rd., Cincinnati, O. "Hargrave"
C-K-R Company, Cleveland, O.
Crescent Tool Co., Jamestown, N. Y. "S. & H."
Damascus Steel Products Corp., Rockford, Ill. "Dasco"
Deuse, J. S., Chester, Conn.
Drew (C.) & Co., Kingston, Mass.
Ennis Mfg. Co., Reading, Pa.
Evansville Tool Wks., Inc., Evansville, Ind. "Acme," "Tested"
Fairmount Tool & Forging Co., Cleveland, O.
Goodell Mfg. Co., Greenfield, Mass.
Harrold (H. J.) Tool Co., Columbiana, O.
Hood Bros., Phila., Pa.
Horning Products Co., Little Valley, N. Y. "Flinkor"
Husky Corp., Kenosha, Wis.
Iron City Tool Works, Pittsburgh, Pa.
Johnson (William), Inc., 36 Brenner, Newark, N. J.
Kraeuter & Co., 575 18th Av., Newark, N. J.
Lufkin Rule Co., Saginaw, Mich.
Marcy Tool Wks., Putnam, Conn.
Marion Craftsman Tool Co., Marion, Ind.
Maydole (David) Tool Corp., Norwich, N. Y.
Mayhew Steel Products, Inc., Shelburne Falls, Mass.
Millers Falls-Goodell Pratt Co., Greenfield, Mass. "O. K."
Milwaukee Tool & Forge Co., So. Milwaukee, Wis.
National Tool Co., 86 Walker, New York, N. Y.
Niagara Machine & Tool Wks., Buffalo, N. Y.
Nicol & Co., Chicago, Ill.
Osborne (C. S.) & Co., Box 183, Newark, N. J.
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Plomb Tool Co., Los Angeles, Cal.
Rainey Mfg. Co., Titusville, Pa.
Roberts Tool Co. (Irvington), Newark, N. J.
Ryan (James J.) Tool Wks., Southington, Conn.
Sawyer Tool Mfg. Co., Ashburnham, Mass.
Sayre (L. A.) Co., 382 Mulberry, Newark, N. J.
Southington Mfg. Co., Southington, Conn. "Pioneer"
Stanley Wks., New Britain, Conn. "Stanley-Atha"
Starrett (L. S.) Co., Athol, Mass.
Stortz (John) & Son, Phila., Pa.
Syracuse Twist Drill Co., Syracuse, N. Y.
Tiffany (Carroll R.), Conklin, N. Y. "Ace"
Torrington Co., Torrington, Conn.
Trimble & Fink Co., Inc., Baltimore, Md. "Sharp Shooter"
Tuck Mfg. Co., Brockton, Mass.
Union Tool Co., Orange, Mass.
Vaughan & Bushnell Mfg. Co., Chicago, Ill. "V. & B."
Village Blacksmith Folks, Watertown, Wis.
Vichek Tool Co., 3006 E. 8th, Cleveland, O.
Western Steel Products Co., Duluth, Minn. "Westco"

PUNCHES, Drift—See Punches, Blacksmiths'

PUNCHES, Eyelet

Bates Mfg. Co., Orange, N. J. "Samson"
Eyelet Tool Co., Boston, Mass.
Osborne (C. S.) & Co., Box 183, Newark, N. J.
Schollhorn (Wm.) Co., New Haven, Conn. "Bernard"
Simpson (Edwin B.) Co., 68 Franklin Av., B'klyn, N. Y.

PUNCHES, Hand

Bates Mfg. Co., Orange, N. J. "Samson"
Buffalo Forge Co., Buffalo, N. Y.
Cincinnati Tool Co., Montgomery Rd., Cincinnati, O. "Hargrave"
Cleveland Steel Tool Co., Cleveland, O.
Ikeman Mfg. Co., Norwalk, Conn.
Drew (C.) & Co., Kingston, Mass.
Evansville Tool Wks., Inc., Evansville, Ind. "Acme," "Tested"
Eyelet Tool Co., Boston, Mass.
Forged Steel Products Co., Newport, Pa. "F.S.P."
Hood Bros., Philadelphia, Pa.
Iron City Tool Wks., Pittsburgh, Pa.
Mayhew Steel Products, Inc., Shelburne Falls, Mass.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Osborne (C.S.) & Co., Box 183, Newark, N. J.
Peterson (Jos. T.) & Son, Inc., Chicago, Ill.
Schollhorn (Wm.) Co., New Haven, Conn. "Elm City"
Shell Mfg. Co., Fiskdale, Mass.
Stanley Wks., New Britain, Conn. "Stanley-Atha"
Tuck Mfg. Co., Brockton, Mass.
Union Mfg. Co., New Britain, Conn.
Vaughan & Bushnell Mfg. Co., Chicago, I. "V. & B."
Village Blacksmith Folks, Watertown, Wis.
Vichek Tool Co., Cleveland, O.
Western Steel Products Co., Duluth, Minn. "Westco"
Whitney (W. A.) Mfg. Co., Rockford, Ill. (Tinners')
Whitney Metal Tool Co., Rockford, Ill. (Tinners')

PUNCHES, Hand Power

American Swiss File & Tool Co., Elizabeth, N. J.
Armstrong-Blum Mfg. Co., Chicago, Ill. "Marvel"
Bates Mfg. Co., Orange, N. J. "Samson"
Artach & Co., Cambridge City, Ind.
Baum (J. G.) Co., Chicago, Ill.
Buffalo Forge Co., Buffalo, N. Y.
Bullock Mfg. Associates, Div. of Parker Wire Goods Co., Worcester, Mass.
Champion Blower & Forge Co., Lancaster, Pa.
Delaware Tool Co., Wilmington, Del.
Ekstrom, Carlson & Co., Rockford, Ill.
Evansville Tool Wks., Inc., Evansville, Ind.
Eyelet Tool Co., Boston, Mass.
Gundlach (T. J.) Machine Co., Belleville, Ill. "Little Giant"
Hendley & Whittemore Co., Beloit, Wis.
Kane & Roach, Syracuse, N. Y.
Keene (Geo. C.) & Co., Cincinnati, O.
Kidder (J. F.) Mfg. Co., Burlington, Vt. "Little Blacksmith"
Klemm (E. R.) Co., Chicago, Ill.
Niagara Mach. & Tool Wks., Buffalo, N. Y.
Perkins Mach. Co., Warren, Mass.
Richards (L. P.) Co., Providence, R. I.
Rock River Mach. Co., Janesville, Wis.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Weiss (H.) & Co., Inc., 113 Mercer, New York, N. Y.
Whitney Metal Tool Co., Rockford, Ill.
Whitney (W. A.) Mfg. Co., Rockford, Ill.

PUNCHES, Harness—See Punches, Belt and Saddlers'

PUNCHES, Hollow

American Swiss File & Tool Co., Elizabeth, N .J.
Eyelet Tool Co., Boston, Mass.
Kilborn & Bishop Co., New Haven, Conn. "Green Line"
Niagara Machine & Tool Wks., Buffalo, N. Y.
Osborne (C. S.) & Co., Box 183, Newark, N. J.
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Sayre (L. A.) Co., 332 Mulberry, Newark, N. J.
Stortz (John) & Son, Phila., Pa.

PUNCHES, Leather—See Punches, Belt and Saddlers'

PUNCHES, Machine—See Punches, Blacksmiths'

PUNCHES, Nose, Bull

Pratt (Wm. E.) Mfg. Co., Chicago, Ill.
Scully, Jas., Pomeroy, Pa. "Boss"
Smith (Seymour) & Son, Inc., Oakville, Conn.

PUNCHES, Pin

American Swiss File & Tool Co., Elizabeth, N. J.
Billings & Spencer Co., Hartford, Conn.
Chicago Tool & Kit Mfg. Co., Chicago, Ill. "C.T.K."
Cincinnati Tool Co., Montgomery Rd., Cincinnati, O. "Hargrave"
C-K-R Company, Cleveland, O.
Cleveland Steel Tool Co., Cleveland, O.
Cream City Tool & Mfg. Co., Milwaukee, Wis. "Peerless"
Crescent Tool Co., Jamestown, N. Y. "S. & H."
Damascus Steel Products Corp., Rockford, Ill. "Dasco"
Drew (C.) & Co., Kingston, Mass.
Husky Corp., Kenosha, Wis.
Kilborn & Bishop Co., New Haven, Conn. "Green Line"
Leetonia Tool Co., Leetonia, O.
Marcy Tool Wks., Putnam, Conn.
Mayhew Steel Products, Inc., Shelburne Falls, Mass.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Milwaukee Tool & Forge Co., So. Milwaukee, Wis.
National Tool Co., 86 Walker, New York, N. Y.
Oxford Tool Co., Phila., Pa.
Ryan (James J.) Tool Wks., Southington, Conn.
Stanley Wks., New Britain, Conn. "Stanley-Atha"
Starrett (L. S.) Co., Athol, Mass.
Tiffany (Carroll R.), Conklin, N. Y. "Ace"
Tuck Mfg. Co., Brockton, Mass.
Western Steel Products Co., Duluth, Minn. "Westco"

PUNCHES, Portable

Armstron-Blum Mfg. Co., Chicago, Ill. "Marvel"
Cream City Tool & Mfg. Co., Milwaukee, Wis. (Electric)
Eyelet Tool Co., Boston, Mass.
Gundlach (T. J.) Machine Co., Belleville, Ill. "Little Giant"
Hydraulic Tool Wks., Phila., Pa.
Kidder (J. F.) Mfg. Co., Burlington, Vt. "Little Blacksmith"
Rock River Mach. Co., Janesville, Wis.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Schollhorn (Wm.) Co., New Haven, Conn. "Elm City"
Whitney (W. A.) Mfg. Co., Rockford, Ill.
Whitney Metal Tool Co., Rockford, Ill.

PUNCHES, Poultry

Hoeft & Co., Inc., North Chicago, Ill. "Moe's"
Spiller (Arthur P.) Co., Beverly, Mass. "Pelley's"

PUNCHES, Prick—See Punches, Center and Prick

PUNCHES, Saddlers'—See Punches, Belt and Saddlers'

PUNCHES, Revolving

Osborne (C. S.) & Co., Box 183, Newark, N. J.
Sayre (L. A.) Co., 332 Mulberry, Newark, N. J.
Schollhorn (Wm.) Co., New Haven, Conn. "Bernard"
Village Blacksmith Folks, Watertown, Wis.

PUNCHES, Saw

Atkins (E. C.) & Co., Indianapolis, Ind.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.

PUNCHES, Ticket

Bridgeport Hdw. Mfg. Corp., Bridgeport, Conn. "Toro"
Ennis Mfg. Co., Reading, Pa.
Hart (H. C.) Mfg. Co., Unionville, Conn.
Hoggson & Pettis Mfg. Co., New Haven, Conn. "Crocker," "X L"
Kraeuter & Co., 575 18th Av., Newark, N. J.
Meyers (Fred J.) Mfg. Co., Hamilton, O.
Schollhorn (Wm.) Co., New Haven, Conn. "Bernard," "Lodi," "Paragon"
Stafford (N.) Co., 53d & 1st, B'klyn, N. Y.

PUNCHES, Tinners'—See Punches, Hand

PUNCHING BAG BLADDERS—See Bladders, Foot Ball, Etc.

PUNCHING BAG MITTS—See Mitts, Striking Bag

PUNCHING BAGS—See Bags, Punching

PUNCTURE SEALING COMPOUNDS—See Compounds, Puncture Sealing

PURSES, Key—See Cases, Key

PUSH BALLS—See Balls, Push

PUSH BARS—See Bars, Push

PUSH BRACES—See Braces, Push

PUSH BROOMS—See Brooms, Push

PUSH BUTTON POCKET KNIFES—See Knives, Pocket, Push Button

PUSH BUTTONS—See Buttons, Push

PUSH CARTS—See Carts, Push

PUSH CLIPS—See Clips, Push

PUSH DRILLS—See Drills, Automatic

PUSH PINS—See Pins, Push

PUSH PLATES—See Plates, Kick and Push

PUSH and PULL TOYS

All Fair, Inc., Churchville, N. Y.
American Flyer Mfg. Co., 2219 S. Halsted, Chicago, Ill. "Structo"
Bradley (Milton) Co., Springfield, Mass. "Bumpa"
Brown (E. C.) Co., Rochester, N. Y. "Velo-King"
Buddy "L" Mfg. Co., East Moline, Ill. (Pull-N-Ride)
Conestoga Corp., Bethlehem, Pa. "BIG-BANG" (Bombing Plane)
Dixtoy, Inc., Canton, O.
Fisher-Price, Inc., East Aurora, N. Y. "Wheelum"
Florida Playthings, Inc., St. Petersburg, Fla. "Peter Pelican"
Gibbs Mfg. Co., Canton, O. "Pretty Polly"
Gong Bell Mfg. Co., East Hampton, Conn.
Halsam Products Co., Chicago, Ill.
Hill (N. N.) Brass Co., East Hampton, Conn.
Hubley Mfg. Co., Lancaster, Pa.
Hustler Toy Corp., Sterling, Ill. "Aviator," "Billy Hustler"
Kenton Hdw. Co., Kenton, O. "Pickwick Nite Coach" (Also Graf Zeppelin)
Lewis (G. B.) Watertown, Wis. "Tru-To-Life"
Liberty Playthings, Inc., Niagara Falls, N. Y.
Murray-Ohio Mfg. Co., Cleveland, O. "Steelcraft" (Graf Zeppelin)
Patent Novelty Co., Inc., Fulton, Ill. "Boat Boy," "Busy Buddies," "Dippy Drummers," "Fulton," "Merry Maypole," "Rainbow Mill," "Teeter Tots," "Tick-Tack Toy," "Tom & Gerry," "Tom-Tom," "Tumbling Twins," "Whirly Willie"
Republic Tool Products Co., Dayton, O.
Schieble Toy & Novelty Co., Dayton, O. "Hill Climber"
Schoenhut (A.) Co., Phila., Pa.
Toy Co. of America, Appleton, Wis.
Toy Kraft Co., Wooster, O. "Baby Bug," "Duckie Walker," "Turtle Tot"
Toy Tinkers, Inc., Evanston, Ill.
Twinzy Toy Co., Battle Creek, Mich.

PUSHERS, Car—See Movers, Car

PUSHERS, Snow

(See also Cleaners, Sidewalk)

Ames Baldwin Wyoming Shovel Co., Parkersburg, W. Va.
C-K-R Company, Cleveland, O. "Champion," "Cronk"
Iwan Bros., South Bend, Ind. "Avalanche"
Pressed Metal Products Co., Cleveland, O.
Rugg Mfg. Co., Greenfield, Mass. "Red Boy" (Also Children's)
Wirt & Knox Mfg. Co., Phila., Pa. "Lightning"

PUTTING GREEN RAKES—See Rakes, Putting Green

PUTTING SHOT—See Shot, Putting

PUTTY, Glaziers' and Painters'

Acme White Lead & Color Wks., Detroit, Mich.
Allen Paint & Putty Wks., Chicago, Ill.
Allentown Mfg. Co., Allentown, Pa.
Armstrong Co., Detroit, Mich.
Baker Paint & Varnish Co., 218 Suydam Av., Jersey City, N. J.
Barrett Co., 40 Rector, New York, N. Y.
Bean (Lewis W.) Co., Phila., Pa.
Briggs-Maroney Co., Everett, Mass. "Peerless"
California Paint Co., Oakland, Cal.
Colebrook's (W. H.) Sons, Syracuse, N. Y.
Collidge (F. J.) & Sons., Atlanta, Ga.
Conners (Wm.) Paint Mfg. Co., Troy, N. Y. "American Seal"
Crandall (E. V.) Oil & Putty Co., 1105 Metropolitan Av., B'klyn, N. Y.
Devoe & Raynolds Co., 1 W. 47th, New York, N. Y.
Dicks-Pontius Co., Dayton, O.
Felton-Sibley & Co., Phila., Pa.
French (Samuel H.) & Co., Inc., Phila., Pa.
Globe Crayon Co., 233 37th, B'klyn, N. Y.
Hammond, Benjamin, Beacon, N. Y.
Hetzel (J. G.) Est., 67 Main, Newark, N. J.
Lucas (John) & Co., Phila., Pa.
Martin-Senour Co., Chicago, Ill.
Midway Chemical Co., Chicago, Ill.
Mound City Paint & Color Co., St. Louis, Mo.
Nevin (T. H.) Co., Pittsburgh, Pa.
Patton Paint Co., Milwaukee, Wis.
Pecora Paint Co., Phila., Pa.
Reardon (The) Co., St. Louis, Mo. (Water)
Ruth (B. F.) & Co., Reading, Pa.
Rutland Fire Clay Co., Rutland, Vt.
Towns Paint Co., Buffalo, N. Y.
Weatherproof Calking Co., Minneapolis, Minn. "Hennen's"
Wilhelm (A.) Co., Reading, Pa.
Woolsey (C. A.) Paint & Color Co., 500 Grand, Jersey City, N. J.

PUTTY KNIVES—See Knives, Putty

PUZZLES

Adams (S. S.) Co., Asbury Park, N. J. (Wire)
Bradley (Milton) Co., Springfield, Mass.
Educational Card & Game Corp., 128 W. 31st, New York, N. Y. (Picture)
Gardner Screw Corp., Gardner, Mass. (Bootleg)
Gilbert (A. C.) Co., New Haven, Conn. (Wire)
Graham (Chas. E.) & Co., 21 Division, Newark, N. J.
Lubers & Bell Mfg. Co., Clinton, Ia "Puzzle-Peg"
Madmare Quality Co., Utica, N. Y. (Picture)
National Co., Boston, Mass.
Oaks Magic Co., Oshkosh, Wis. (Picture)
Parker Bros., Salem, Mass. (Picture)
Sommer (J. I.) Mfg. Co., 93 Chestnut, Newark, N. J. (Picture)
Standard Wire Co., New Castle, Pa. (Ring)
Tablet & Ticket Co., Chicago, Ill. (Picture)
Thoswood Mfg. Co., Chicago, Ill.
Ullman Mfg. Co., 319 McKibbin, B'klyn, N. Y.
Wilder Mfg. Co., St. Louis, Mo.
Wunderlich, R., 200 Fifth Av., New York, N. Y.

QUACK GRASS DESTROYERS—See Destroyers, Grass

QUADRANTS, Dutch Door

Corbin, P & F., New Britain, Conn.
Yale & Towne Mfg. Co., Stamford, Conn.

QUILT FRAME CLAMPS—See Clamps, Frame, Quilt

QUOITS

(See also Shoes, Horse, Pitching)

Bogert & Hopper, 223 Varick, New York, N. Y.
Colebrookdale Iron Co., Boyertown, Pa.
Dayton Toy & Specialty Co., Dayton, O. (Rope) "Daton"
Devlin (Thos.) Mfg. Co., Burlington, N. J.
Girard Iron Works, Phila., Pa.
Grey Iron Casting Co., Mt. Joy, Pa.
Harkins (T. B.) Fdry. Co., Bristol, Pa.
Indiana Fdry. Co., Indiana, Pa.
Kramer Bros., Foundry Co., Dayton, O.
Kupferle, John C., St. Louis, Mo.
Laurelton Fdry. Co., Laurelton, Pa.
Levering Bros., Baltimore, Md.
Medart (Fred) Mfg. Co., St. Louis, Mo.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Reading Hdw. Co., Reading, Pa.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Sperry (D. R.) & Co., Batavia, Ill.
Stall & Dean Mfg. Co., Brockton, Mass.
Starkes-Dixie Plow Wks., Richmond, Va.
Swett (A. L.) Iron Works, Medina, N. Y.
Williams (A. C.) Co., Ravenna, O.
Wrightsville Hdw. Co., Wrightsville, Pa.

QUOITS, Rubber

Essex Rubber Co., Trenton, N. J.
Hooper (John P.), Trenton, N. J.
Hohwieler Co., Morrisville, Pa.
Quaker City Rubber Co., Phila., Pa.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Stall & Dean Mfg. Co., Brockton, Mass.

RACHET PUMPS—See Pumps, Rachet

RACKET BAGS—See Covers, Racket

RACKET CASES—See Covers, Racket

RACKET COVERS, Tennis—See Covers, Racket, Tennis

RACKETS, Squash

Bentley (Walter) Co., Inc., Niagara Falls, N. Y.
Kent, E., Pawtucket, R. I.
Narragansett Machine Co., Providence, R. I.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.

RACKETS, Tennis

Bancroft, F. J., Pawtucket, R. I. "Forest Hills"
Bentley (Walter) Co., Inc., Niagara Falls, N. Y.
Dayton Steel Racquet Co., Dayton, O. "Lone Eagle"
Draper-Maynard Co., Plymouth, N. H.
Goldsmith (P.) Sons, Cincinnati, O.
Kent, E., Estate, Pawtucket, R. I.
Ken-Wel Sporting Goods Co., Utica, N. Y.
Magnan (N. J.) Co., North Attleboro, Mass.
Maus, Geo. H., Amsterdam, N. Y. "Gold Medal"
Mitchell & Ness, Phila., Pa.
Narragansett Machine Co., Providence, R. I. "Live-Wood"
New York Tennis Racket Co., Grantwood, N. J.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Reg'lar Fellers, Cincinnati, O.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stall & Dean Mfg. Co., Brockton, Mass.
Wilson-Western Sporting Goods Co., Chicago, Ill.

RACKS, Axe Display

Burritt (O. W.) & Bro., Weedsport, N. Y.
Canton Sash & Door Co., Canton, Ill. "Mosher's"
Heller (W. C.) & Co., Montpelier, O.
Lupton's (David) Sons Co., Phila., Pa.
Schrenk Bros., Syracuse, N. Y. "Dunbar," "Herrick" (Revolving)

RACKS, Broom and Garden Tools

Ariel Cabinet Co., Peru, Ind.
Grand Rapids Wire Products Co., Grand Rapids, Mich.
Lupton's (David) Sons Co., Phila., Pa. (Broom)
Union Steel Products Co., Albion, Mich.

RACKS, Cake Cooling—See Rack, Bread Cooling

RACKS, Canning, Cold Pack

Aluminum Goods Mfg. Co., Manitowoc, Wis.
Bromwell Wire Goods Co., Cincinnati, O.
Grand Rapids Wire Products Co., Grand Rapids, Mich. "G-R Kol Pack"
Hamblin & Russel Mfg. Co., Inc., Worcester, Mass.
Union Steel Products Co., Albion, Mich.
Utility Mfg. Co., Baltimore, Md.
Washburn Company, Worcester, Mass.

RACKS, CLOTHES—See Dryers, Clothes

RACKS, Coat and Hat

(See also Hooks, Coat and Hat)

Acorn Wire & Iron Wks., Chicago, Ill. "Sani-Robe"
Backus Novelty Co., Smethport, Pa. (Auto. Coat Check)
Darby Steel Equipment Co., Phila., Pa.
Ennis Mfg. Co., Reading, Pa.
Erie City Mfg. Co., Erie, Pa.
Fisher (Chas.) Spring Co., 240 Kent Av., B'klyn, N. Y.
Grey Iron Casting Co., Mt. Joy, Pa.
Handy Things Mfg. Co., Ludington, Mich.
Knape-Vogt Mfg. Co., Grand Rapids, Mich. "K-Venience"
Luke Basket Co., Berrien Springs, Mich. "Domestic," "New Idea"
Miller (Robert E.), Inc., 35 Pearl, New York, N.Y. "Dorack"
Onli-Wa Fixture Co., Dayton, O.
Safety Auto Hat Rack Co., Inc., 14 Astor Pl., New York, N. Y.
Timberlake (J. B.) & Sons, Jackson, Mich.
Utilatree Products, Inc., 75 Varick, New York, N.Y.
Washburn Company, Worcester, Mass.

RACKS, Cold Pack—See Racks, Canning, Cold Pack

RACKS, Corn Seed—See Dryers & Racks, Corn Seed

RACKS, Display—See Fixtures, Display, Hardware

RACKS, Grip, Automobile—See Carriers, Luggage, Automobile

RACKS, Hat—See Racks, Coat and Hat, also Holders, Hat

RACKS, Household—See Dryers, Clothes; also Bars and Shelves, Towel

RACKS, Linoleum

Best (John H.) & Sons, Galva, Ill. (Also Rugs)
Lupton's (David) Sons Co., Phila., Pa.
Marvel Rack Mfg. Co., Minneapolis, Minn.

RACKS, Shelf

Miller (Robert E.), Inc., 35 Pearl, New York, N.Y. "Pancorak"

RACKS, Shoe

(See also Hangers, Shoe)

Fisher (Chas.) Spring Co., 240 Kent Av., B'klyn, N. Y.
Imperial Metal Mfg. Corp., 38-01 Queens Blvd., Long Island City, N. Y. (Collapsible)
Knape-Vogt Mfg. Co., Grand Rapids, Mich. "K-Venience"
Miller (Robert E.), Inc., 35 Pearl, New York, N.Y. "Remrak"
Neatway Co., Detroit, Mich.
Peerless Novelty Co., Grand Haven, Mich.
Yearke Metal Products Co., Buffalo, N. Y. (Collapsible)

RACKS, Sink, Kitchen

Acme Metal Gds. Mfg. Co., 2 Orange, Newark, N. J.
Gatch Brush & Wire Goods Co., Baltimore, Md.
Herkimer Specialties Corp., Cold Brook, N. Y.
Parker Wire Goods Co., Worcester, Mass. "Safe Stack"
Standard Novelty Wks., Duncannon, Pa.

RACKS, Tie

Bosworth (E. J.) Specialty Co., Rochester, N. Y.
Fisher (Chas.) Spring Co., 240 Kent Av., B'klyn, N. Y.
Knape-Vogt Mfg. Co., Grand Rapids, Mich. "K-Venience"
Miller (Robert E.), Inc., 35 Pearl, New York, N.Y. "Remrak"
Neatway Co., Detroit, Mich.
Press Products, Inc., 3620 34th, Long Island City, N. Y. "See-Lective"
Washburn Co., Wire Goods Co. Div., Worcester, Mass.

RACKS, Tool

Armstrong Bros. Tool Co., Chicago, Ill.
Aurora Equipment Co., Aurora, Ill. "Equipto"
Canton Sash & Door Co., Canton, Ill. "Mosher's"
C-K-R Company, Cleveland, O. "Cronk"
Cleveland Wire Spring Co., Cleveland, O.
Grand Rapids Wire Products Co., Grand Rapids, Mich.
Kalamazoo Steel Goods Co., Kalamazoo, Mich.
New Britain Mach. Co., New Britain, Conn.
Schrenk Bros., Syracuse, N. Y. "Dunbar," "Herrick" (Revolving)
Toledo Metal Furniture Co., Toledo, O. (Tray Truck)

RACKS, Towel

(See also Bars, Towel; also Shelves, Glass)

Acme Specialty Mfg. Co., Toledo, O.
Bache (Semon) & Co., 636 Greenwich, New York, N. Y.
Beardsley & Wolcott Mfg. Co., Waterville, Conn.
Boston Mirror Co., Boston, Mass.
Church (C. F.) Mfg. Co., Holyoke, Mass.
Dallas Brass & Copper Co., Chicago, Ill.
David-Franklin Co., Maplewood, N. J. "Everclean Fixtures"
Dillingham Mfg. Co., Sheboygan, Wis.
Ennis Mfg. Co., Reading, Pa.
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Eustis (J. P.) Mfg. Co., Cambridge, Mass. "Brass-crafters"
Fanner Mfg. Co., Brookside Pk., Cleveland, O.
Fernald Mfg. Co., North East, Pa. "Adjusto"
Gem Mfg. Co., No. Girard, Pa. "Kitchenette," "O. K."
Handy Things Mfg. Co., Ludington, Mich.
Kautenberg (W. E.) Co., Inc., Freeport, Ill.
Kersten Co., Inc., Chicago, Ill.
Landers, Frary & Clark, New Britain, Conn.
Neatway Co., Detroit, Mich. (Double)
Parker (Chas.) Co., Meriden, Conn.
Parker Metal Goods Co., Worcester, Mass.
Parker Wire Goods Co., Worcester, Mass. "Perfection"
Polhemus (L. E.) Co., Miami, Ariz. "Chum" "Polly"
Racine Iron & Wire Wks., Racine, Wis.
Sommer (J. L.) Mfg. Co., 251 New Jersey Railroad Av., Newark, N. J.
Stiles (H. A.) & Co., Boston, Mass.
Stone (N. M.) Co., Inc., Chicago, Ill.
Washburn Company, Worcester, Mass.
Western Newell Mfg. Co., Freeport, Ill.
"White-Steel" Sanitary Furniture Co., Grand Rapids, Mich.

RACKS, Trunk—See Carriers, Luggage

RACKS, Wire Cloth

Best (John H.) & Sons, Galva, Ill.
Davis & Siehl Co., Cincinnati, O. "Bennett"
Lupton's (David) Sons Co., Phila., Pa.
Marvel Rack Mfg. Co., Minneapolis, Minn.
Schriver (O. P.) Co., Cincinnati, O.

RADIATOR AIR MOISTENERS—See Moisteners, Air, Radiator

RADIATOR CABINETS—See Cabinets, Radiator

RADIATOR CLEANING COMPOUNDS, Automobile—See Compounds, Radiator Cleaning

RADIATOR COVERS—See Shields, Radiator

RADIATOR ENAMELS—See Enamels, Radiator

RADIATOR FILLER CANS—See Cans, Radiator Filler, Automobile

RADIATOR GRILLES—See Grilles, Radiator

RADIATOR GUARDS, Automobile—See Guards, Radiator

RADIATOR HEATERS—See Heaters, Radiator

RADIATOR REPAIR CEMENT—See Cement, Radiator Repair

RADIATOR SHIELDS—See Shields, Radiator

RADIATOR VALVES—See Valves, Radiator

RADIATORS, Gas

(See also Heaters, Gas)

American Beauty Stove Co., Erie, Pa.
American Gas Products Corp., Chrysler Bldg., New York, N. Y.
Buffalo Gas Radiator Corp., No. Tonawanda, N. Y.
Clow (Jas. B.) & Sons, Chicago, Ill.
Hugo Mfg. Co., Duluth, Minn. "Hawks"
Union Stove Wks., 70 Beekman, New York, N. Y.
Weiskittel (A.) & Son Co., Baltimore, Md.
Wellston Mfg. Co., Wellston, O.
Welsbach Co., Gloucester City, N. J.
Williams Radiator Co., Los Angeles, Cal.

RADIO AERIAL KITS

American Electric Co., Chicago, Ill. "Ajax"
Anylite Electric Co., Fort Wayne, Ind. "King Cole"
Belden Mfg. Co., Chicago, Ill.
Cornish Wire Co., 30 Church, New York, N. Y.
Essenbee Radio Devices Co., Chicago, Ill.
Heinemann Electric Co., Phila., Pa. "Sensory"
Karas Electrical Co., Chicago, Ill.
Muter (Leslie F.) Co., Chicago, Ill.
Swan-Haverstick, Inc., Trenton, N. J. "Aero"

RADIO ANTENNA INSULATORS

American Electric Co., Chicago, Ill.
Brach (L. S.) Mfg. Co., 120 Sussex Av., Newark, N. J.
Brock Glass Co., Ltd., Santa Ana, Cal.
Circle F. Mfg. Co., Trenton, N. J. "Big Joe," "Little Joe," "Medium Joe"
Corning Glass Wks., Corning, N. Y. "Pyrex"
Essenbee Radio Devices Co., Chicago, Ill.
Findlay Elec. Porcelain Co., Findlay, O.
Fleron (M. M.) & Son, Trenton, N. J.
General Insulate Co., 11 New York Av., B'klyn, N. Y.
General Radio Co., Cambridge, Mass.
Hoosick Falls Radio Parts Mfg. Co., Hoosick Falls, N. Y.
Insulation Mfg. Co., 70 Washington, B'klyn, N. Y. "Electrose"
Kellogg Switchboard & Supply Co., Chicago, Ill.
Adler Mfg. Co., Inc., Louisville, Ky.
Marsden (J. E.) Glass Wks., Inc., Ambler, Pa.
Porcelain Products, Inc., Findlay, O.
Sneath Glass Co., Hartford City, Ind.
Swan-Haverstick, Inc., Trenton, N. J. "Little Atlas"
Technical Glass Co., Inc., Los Angeles, Cal. "Tegco"
Waterbury Button & Mfg. Co., Waterbury, Conn.

RADIO ANTENNA LEAD-INS

Ajax Electric Co., Cambridge, Mass. "Leak Proof"
Brach (L. S.) Mfg. Co., 129 Sussex Av., Newark, N. J.
Essenbee Radio Devices Co., Chicago, Ill. (Ground)
Fahnestock Electric Co., 141 East Av., Long Island City, N. Y.
Muter (Leslie F.) Co., Chicago, Ill.
Swan-Haverstick, Inc., Trenton, N. J.
Woodruff & Company, Meridan, Miss. "Super-Tard"

RADIO "B" BATTERY ELIMINATORS

American Electric Co., Inc., Chicago, Ill. "Burns"
Anylite Electric Co., Fort Wayne, Ind. "King Cole"
Briggs & Stratton Corp., Milwaukee, Wis. "Basco"
Cooper Corp., Cincinnati, O.
Fansteel Products Co., Inc., North Chicago, Ill. "Balkite"
Grebe (A. H.) Co., 70 Van Wyck Blvd., Richmond Hill, L. I.
Grigsby-Grunow Co., Chicago, Ill. "Majestic"
Kellogg Switchboard & Supply Co., Chicago, Ill.
Samson Electric Co., Canton, Mass.
Universal Battery Co., Chicago, Ill.
Valley Electric Co., St. Louis, Mo.
Vesta Battery Corp., Chicago, Ill.

RADIO BATTERIES, Dry "A"—See Batteries, Dry "A"

RADIO BATTERIES, Dry "B"—See Batteries, Dry "B"

RADIO BATTERIES, Dry "C"—See Batteries, Dry "C"

RADIO BATTERIES, Dry, Multi-Cell Units—See Batteries, Dry, Multi-Cell Units

RADIO BATTERIES, Storage "A"—See Batteries, Storage "A"

RADIO BATTERY CHARGERS—See Chargers, Battery

RADIO BATTERY CARRIERS—See Carries, Battery

RADIO BATTERY TESTERS—See Gages, Battery; also Hydrometers

RADIO CLAMPS, GROUND

Austin (M. B.) Co., Chicago, Ill.
Blackburn Specialty Co., Cleveland, O.
Ekko Co., Chicago, Ill.
Ideal Clamp Mfg. Co., 200 Bradford, B'klyn, N. Y.
Kirkman Eng. Corp., 1 Dominick, New York, N. Y. "K-E"
Morris Register Co., Council Bluffs, Ia.
Muter (Leslie E.) Co., Chicago, Il.
Rajah Co., Locust Av., Bloomfield, N. J.
Sherman (H. B.) Mfg. Co., Battle Creek, Mich.
Swan-Haverstick, Inc., Trenton, N. J.
Waterbury Button & Mfg. Co., Waterbury, Conn.

RADIO CLIPS, Battery

Frankel Connector Co., 177 Hudson, New York, N. Y.
Hartung (Chas. F.) Co., Los Angeles, Cal.
Kodel Electric & Mfg. Co., Cincinnati, O.
Morris Register Co., Council Bluffs, Ia.
Mueller Electric Co., Cleveland, O. "Universal"
Shanklin Mfg. Co., Springfield, Ill. "Shanco"
Sherman (H. B.) Mfg. Co., Battle Creek, Mich.
Superior Battery Parts Co., Miama, Fla. "Snap-On"
Valley Electric Co., St. Louis, Mo.
Waterbury Button & Mfg. Co., Waterbury, Conn.

RADIO HOME BROADCASTERS

Brooklyn Metal Stamping Corp., 718 Atlantic Av., B'klyn, N. Y. "B.M.S."
Connecticut Telephone & Electric Corp., Meriden, Conn. "Mike"

RADIO KITS, Aerial—See Radio Aerial Kits

RADIO KNOBS AND TERMINALS

Alden Mfg. Co., Brockton, Mass.
General Ralio Co., Cambridge, Mass.
Ideal Clamp Mfg. Co., 200 Bradford, B'klyn, N. Y.
Kurz-Kasch Co., Dayton, O.
Morse (F. W.) Co., Boston, Mass.
Patton-Mac Guyer Co., Providence, R. I. (Lugs)
Rajah Co., Locust Av., Bloomfield, N. J.
Waterbury Button & Mfg. Co., Waterbury, Conn.
Yaxley Mfg. Co., Chicago, Ill.

RADIO LIGHTNING ARRESTERS

American Elec. Co., Chicago, Ill. "Ajax"
Barkelew Elec. Mfg. Co., Middletown, O.
Brach (L. S.) Mfg. Co., 129 Sussex Av., Newark, N. J. "Arres-tenna"
Branston (Chas A.) Co., Buffalo, N. Y.
Circle F. Mfg. Co., Trenton, N. J. "Little Joe"
DeJur Products Co., 199 Lafayette, New York, N. Y.
Electric Service Supplies Co., Phila., Pa. "Keystone," "Protex"
Fairmount Elec. & Mfg. Co., Phila., Pa.
Fleron (M. M.) & Sons, Trenton, N. J. "Sentinel"
Heinemann Elec. Co., Phila., Pa.
Muter (Leslie F.) Co., Chicago, Ill. "Guardian"
National Elec. Specialty Co., Toledo, O. "Vac-M"
Porcelain Products, Inc., Findlay, O. "Brownie"
Radio Receptor Co., 106 7th Av., New York, N. Y. "Anchor"
Swan-Haverstick, Inc., Trenton, N. J. "Safe-Guard"
Wirt Co., Phila., Pa.

RADIO MAST FITTINGS

Essenbee Radio Devices Co., Chicago, Ill.
Mast Seal Mfg. Co., Minneapolis, Minn.
Morris Register Co., Council Bluffs, Ia.
Premax Products, Inc., Niagara Falls, N. Y.

RADIO OUTLETS

Arrow-Hart & Hegeman Electric Co., Hartford, Conn.
Hubbell, Harvey, Inc., Bridegeport, Conn.
Swan-Haverstick, Inc., Trenton, N. J.

RADIO PHONOGRAPH ATTACHMENTS

Amplion Corp. of America, 38 W. 21st, New York, N. Y.
Baldwin (Nathaniel), Inc., Salt Lake City, Utah.
Bristol Co., Waterbury, Conn. "Baby Audiophone"
Brooklyn Metal Stamping Corp., 718 Atlantic Av., B'klyn, N. Y. "Via-Rad"
Globe Technolian Corp., Haven, Reading, Mass.
Kellogg Switchboard & Supply Co., Cleveland, O.
McMasters (W. B.), Wheeling, W. Va. "Duplex"

RADIO-PHONOGRAPH COMBINATION RADIO RECEIVING SETS—See Radio Receiving Sets, Combination Radio-Phonograph

RADIO RECEIVING SETS

A-C Dayton Co., Dayton, O. "Navigator"
Aero Products, Inc., Chicago, Ill.
All American Mohawk Corp., North Tonawanda, N. Y. "Lyric"
Amplex Instrument Laboratories, 132 W. 21st, New York, N. Y.
Amrad Corp., Medford Hillside, Mass.
Atwater Kent Mfg. Co., Phila., Pa.
Balkeit Radio Co., North Chicago, Ill. "National," "Super-Symphion"
Bremer-Tully Mfg. Co., Chicago, Ill.
Briggs & Stratton Corp., Milwaukee, Wis.
Browning-Drake Corp., Cambridge, Mass.
Brunswick Radio Corp., 121 W. 42nd, New York, N. Y.
Cleartone Radio Co., Cincinnati, O.
Colonial Radio Corp., Buffalo, N. Y.
Crosley Radio Corp., Cincinnati, O. "Announcer," "Cherrio," "Playboy," "Playtime," "Merry Maker," "Minstrel," "Troubadour"
Deca Disc Co., Waynesboro, Pa. "Creatone"
De Forest Radio Corp., Passaic, N. J. (Short Wave)
Dubilier Clock Corp., 40 W. 17th, New York, N. Y.
Edison (Thos. A.), Inc., Orange, N. J. "Light-O-Matic"
Electrical Research Laboratories, Chicago, Ill. "Erla"
Emerson Radio & Phonograph Corp., 307 6th Av., New York, N. Y. "Newsonic"
Fada Radio & Electric Corp., 24 Orchard, Long Island City, N. Y.
Federal Radio Corp., Buffalo, N. Y.
Franklin Radio Corp., Dayton, O.
General Electric Co., Schenectady, N. Y. "Highboy," "Lowboy"
Gilfillan Bros., Inc., Los Angeles, Cal.
Gold Seal Electrical Co., 5 Central Av., Newark, N.J.
Graybar Electric Co., 420 Lexington Av., New York, N. Y.
Grebe (A. H.) Co., 70 Van Wyck Blvd., Richmond Hill, L. I., N Y. "Synchrophase"
Grigsby-Grunow Co., Chicago, Ill. "Majestic"
Gulbransen Co., Chicago, Ill "Champion"
Hammarlund-Roberts, Inc., 424 W. 33rd, New York, N. Y.
Horn (Herbert H.) Radio Mfg. Co., Los Angeles, Cal. "Tiffany Tone"
Howard Radio Co., South Haven, Mich.
Insuline Corp. of America, 78 Cortlandt, New York, N. Y.
Kellogg Switchboard & Supply Co., Chicago, Ill.
Kennedy (Colin B.) Corp., South Bend, Ind.
King Mfg. Corp., Buffalo, N. Y.
Kolster Radio, Inc., 360 Thomas, Newark, N. J.
Krasberg Tool & Mfg. Co., Chicago, Ill. "Gollos"
Lambert, Leon, Wichita, Kan. (Crystal)
McMillan Radio Corp., Chicago, Ill.
Marti Radio Corp., Ampere, N. J.
National Electrical Products Co., Chicago, Ill.
Philadelphia Storage Battery Co., Phila., Pa. "Philco"
Pilot Radio & Tube Corp., Lawrence, Mass.
Pioneer Radio Corp., Plano, Ill.
RCA-Victor Co., Inc., Camden, N. J. "Radiolette," "Superette"
Radio Chassis, Inc., 110 W. 18th, New York, N. Y.
Radio Receptor Co., Inc., 106 7th Av., New York, N. Y. "Powerizer"
Silver-Marshall, Inc., Chicago, Ill.
Simplex Radio Co., Sandusky, O.
Sorber Radio Mfg. Co., Kansas City, Mo.
Sparks-Withington Co., Jackson, Mich. "Sparton Equasonne"
Splitdorf Electric Co., 392 High, Newark, N. J.
Sterling Mfg. Co., Cleveland, O.
Stewart-Warner Corp., Chicago, Ill.
Stromberg-Carlson Tel. Mfg. Co., Rochester, N. Y.
Temple Corp., Chicago, Ill. "Templetone"
Transformer Corp. of America, Chicago, Ill.
Trav-Ler Radio & Television Corp., St. Louis, Mo.
United Air Cleaner Corp., Chicago, Ill. "Sentinel"
United American Bosch Corp., Springfield, Mass.
United Reproducers Corp., Rochester, N. Y.
U. S. Radio & Television Co., Chicago, Ill. "Apex," "Gloritone"
Ware Mfg. Corp., Trenton, N. J. "Bantam," "Consolette"
Wells-Gardner Co., Chicago, Ill.
Western Electric Co., 100 E. 42nd, New York, N. Y.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
Zenith Radio Corp., Chicago, Ill. "Zenette"

RADIO RECEIVING SETS, Combination Radio-Phonograph

Autophone Mfg. Corp., 324 E. 23d, New York, N. Y.
Brunswick-Balke-Collender Co., Chicago, Ill. "Arden"
Columbia Phonograph Co., Inc., Bridgeport, Conn.
Edison (Thos. A.), Inc., Orange, N. J.
Electrical Research Laboratories, Chicago, Ill. "Erla"
General Electric Co., Schenectady, N. Y.

RADIO RECEIVING SETS, Combination Radio-Phonograph (Continued)

Grigsby-Grunow Co., Chicago, Ill.
Player-Tone Talking Machine Co., Pittsburgh, Pa.
Sparks-Withington Co., Jackson, Mich. "Visionola"
Talkiola Corp., 1600 B'way, New York, N. Y.
United Air Cleaner Corp., Chicago, Ill. "Sentinel"
U. S. Radio & Television Co., Marion, Ind. "Gloritone"
Zenith Radio Corp., Chicago, Ill.

RADIO TUBE TESTERS

Apparatus Design Co., Little Rock, Ark. "Confidence"
Hoyt Electrical Instrument Wks., Penacook, N. H.
Jewell Electrical Instrument Co., Chicago, Ill.
Lundquist Tool & Mfg. Co., Worcester, Mass. "Yankee"
Sterling Mfg. Co., Cleveland, O.

RADIO TUBES—See Radio Vacuum Tubes

RADIO VACUUM TUBES

Alden Mfg. Co., Brockton, Mass.
All American Mohawk Corp., Chicago, Ill. "Lyric"
Arcturus Radio Tube Co., 720 Frelinghuysen, Newark, N. J.
Atlas Radio Corp., Inc., Peabody, Mass.
Bond Electric Corp., Jersey City, N. J. "Franco," "Orion," "Winner"
Bright Star Battery Co., Hoboken, N. J.
Cardon-Phonocraft Corp., Jackson, Mich.
Ce Co Mfg. Co., Inc., Providence, R. I. "Keen Sense," "Pentode"
Champion Radio Wks., Inc., Danvers, Mass.
Cunningham (E. T.), Inc., 370 7th Av., New York, N. Y.
DeForest Radio Co., Passaic, N. J.
Diamond Electric Corp., Newark, N. J.
Duovac Radio Tube Corp., 360 Furman, B'klyn, N. Y.
French Battery Co., Madison, Wis. "Ray-O-Vac"
Goldseal Electrical Co., 5 Central Av., Newark, N. J.
Grigsby-Grunow Co., Chicago, Ill. "Majestic"
Hygrade Sylvania Products Co., Sylvania Lamp Div., Emporium, Pa.
Hyvac Radio Tube Corp., 86 Shipman, Newark, N. J.
Kellogg Switchboard & Supply Co., Chicago, Ill.
Ken-Rad Corp., Owensboro, Ky. "A C," "Archatron"
Marvin Radio Tube Corp., 126 Liberty, New York, N. Y.
Matchless Electric Co., Chicago, Ill. "La Salle"
Munder Electrical Co., Springfield, Mass. "Vox"
National Carbon Co., Inc., 30 E. 42nd, New York, N. Y. "Eveready-Raytheon"
National Union Radio Corp., 400 Madison Av., New York, N. Y.
Nilco Lamp Wks., Emporium, Pa. "Sylvania"
Perryman Electric Co., Inc., North Bergen, N. J.
Philadelphia Storage Battery Co., Phila., Pa. "Philco"
RCA Radiotron Co., Inc., Harrison, N. J. "Radiotron"
Schiller (F. A.), Inc., Irvington, N. J. "McCullough"
Sylvania Products Co., Emporium, Pa.
Triad Mfg. Co., Pawtucket, R. I.
Trutone Mfg. Co., 222 Halsey, Newark, N. J.
Van Horne Co., Franklin, O.
Vesta Battery Corp., Chicago, Ill.

RADIO WIRE

American Brass Co., Waterbury, Conn. "Anaconda"
American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
Belden Mfg. Co., Chicago, Ill.
Copperweld Steel Co., Glassport, Pa.
Cornish Wire Co., Inc., 30 Church, New York, N. Y.
Dudlo Mfg. Corp., Ft. Wayne, Ind.
Essenbee Radio Devices Co., Chicago, Ill.
Fraser (Russell) Wire Co., Maspeth, Long Island, N. Y. "Ajax"
Hope Webbing Co., Providence, R. I. "Talking Tape"
Swan-Haverstock, Inc., Trenton, N. J.

RADIUM LUMINOUS PENDANTS—See Pendants, Luminous, Radium

RADIUM PUSH BUTTONS—See Buttons, Push

RADIUM SWITCH LOCATORS—See Locators, Switch, Luminous, Radium

RAFTER BRACKETS—See Brackets, Rafter

RAFTING AUGERS—See Augers, Rafting

RAG DOLLS—See Dolls, Cloth or Rag

RAGS, Wiping—See Cloths, Wiping

RAILING, Balcony—See Railing, Porch, Counter, Balcony, Etc.

RAILING, Counter—See Railing, Porch Counter, Balcony, Etc.

RAILING FITTINGS—See Fittings, Railing

RAILING, Pipe, Iron, Brass and Bronze

Barnum (E. T.) Wire & Iron Wks., Detroit, Mich.
Buffalo Wire Wks. Co., Buffalo, N. Y.
Century Fence Co., Waukesha, Wis.
Chase Brass & Copper Co., Waterbury, Conn.
Cincinnati Iron Fence Co., Cincinnati, O. (Iron)
Columbus Brass Co., Columbus, O.
Davis & Siehl Co., Cincinnati, O.
Fiske (J. W.) Iron Wks., 78 Park Pl., New York, N. Y.
Hubeny Brothers, Inc., Roselle, N. J.
Imperial Brass Mfg. Co., Chicago, Ill.
Kersten Co., Inc., Chicago, Ill.
Lawrence Bros., Sterling, Ill.
Logan Co., Louisville, Ky.
Meyers (Fred J.) Mfg. Co., Hamilton, O.
Page Steel & Wire Co., Monessen, Pa.
Schlangen Mfg. Co., Chicago, Ill.
Smith (F. P.) Wire & Iron Wks., Chicago, Ill.
Stewart Iron Wks. Co., 814 Stewart Block, Cincinnati, O.
Tyler (W. S.) Co., Cleveland, O.

RAILING, Porch, Counter, Balcony, Etc.

American Safety Lamp & Mine Supply Co., Scranton, Pa.
Badger Wire & Iron Wks., Milwaukee, Wis.
Buffalo Wire Wks. Co., Buffalo, N. Y.
Cincinnati Iron Fence Co., Cincinnati, O.
Columbus Wire & Iron Wks. Co., Columbus, O. (Wrought Iron)
Enterprise Fence & Wire Mfg. Co., Indianapolis, Ind.
Fiske (J. W.) Iron Wks., 78 Park Pl., New York, N. Y.
Logan Co., Louisville, Ky.
Meyers (Fred J.) Mfg. Co., Hamilton, O.
Smith (F. P.) Wire & Iron Wks., Chicago, Ill.
Southern Wire & Iron Works, Atlanta, Ga.
Stewart Iron Wks. Co., Inc., 814 Stewart Block, Cincinnati, O.

RAILINGS, Iron—See Fence and Railings, Iron

RAILROAD CHAINS—See Chains, Railroad

RAILROAD LANTERNS—See Lanterns, Railroad

RAILROAD LOCKS—See Locks, Railroad

RAILROAD SHOVELS—See Shovels, Railroad

RAILROAD WRENCHES—See Wrenches, Railroad

RAILWAY SYSTEMS, Toy—See Trains, Toy

RAIN WATER CUT-OFFS—See Cut-offs, Rain Water

RAKE HANDLES—See Handles, Repair

RAKES, Asphalt

American Fork & Hoe Co., Cleveland, O. "True Temper"
Union Fork & Hoe Co., Columbus, O.

RAKES, Dandelion

American Fork & Hoe Co., Cleveland, O. "True Temper"
Casement Hdw. Co., Chicago, Ill.
Hudson (H. D.) Mfg. Co., Chicago, Ill. "Pull Easy"
Kees (F. D.) Mfg. Co., Beatrice, Neb.

RAKES, Garden or Lawn

Acme Mfg. Corp., Moline, Ill. "Hoover"
Akron-Selle Co., Akron, O. "Aristocrat," "Tasco"
Alexander (G. E.) & Son, Sunapee, N. H.
American Fork & Hoe Co., Cleveland, O. "Brume Rake," "Lawncomb," "True Temper"
C-K-R Company, Cleveland, O. "Champion," "Cronk," "Cronk's Lawnmaster," "Elmira," "Ideal," "Jumbo Lawn Queen," "Jumbo Queen City," "Montour," "Perfect," "Queen City," "Victor"
Casement Hdw. Co., Chicago, Ill.
Cheesbrough, Thos. E., Freeport, Mich.
Geyer Mfg. Co., Rock Falls, Ill.
Gray Mfg. Co., Oakland, Cal. "Best-Ho"
Hall Mfg. Co., Cedar Rapids, Ia. "Hal-Ege"
Handle & Excelsior Co., Picture Rocks, Pa. (Bamboo)
Horake Co., Burlington, Ia.
Hudson (H. D.) Mfg. Co., Chicago, Ill.
International Fork & Hoe Co., New Haven, Ind. "Tool Supreme"
Ives-Fletcher Mfg. Co., Los Angeles, Cal. "Perfection" (Combination Cultivator)
Johnson Gas Appliance Co., Cedar Rapids, Ia. "Apex," "Du-Moore Self-Cleaning"
Keene (O. S.) Machine Co., Anderson, Ind. "E-Z"
Kees (F. D.) Mfg. Co., Beatrice, Neb.
Kimber, H., Oakland, Cal. (Broom Rake)
Kingsbury Mfg. Co., Keene, N. H.
Larimer Co., Aurora, Ill.
Master Products Co., Cleveland, O. (Rubber Prongs)
Maus (Geo. H.), Amsterdam, N. Y. "Gold Medal"
Opdyke & Opdyke, Inc., Bristol, Pa. "Namco"
Pennsylvania Lawn Mower Wks., Inc., Primos, Del. Co., Pa.
Piqua Handle & Mfg. Co., Piqua, O. "Ole Olsen"
Rugg Mfg. Co., Greenfield, Mass. "Kleen Sweep," "Red Head" (Metal)
Sabin Machine Co., Cleveland, O. "Gum Finger," "Gum Finger, Jr" (Rubber Teeth)
Specialty Device Co., Cincinnati, O. "Standard"
Stedman, M. W., Tryingham, Mass.
Thieman Harvester Co., Inc., Albert City, Ia. (Self-Cleaning)
Union Fork & Hoe Co., Columbus, O. "Brume-Rake"

RAKES, Golf Green—See Rakes, Putting Green

RAKES, Hay, Hand

Alexander (G. E.) & Son, Sunapee, N. H.
Handle & Excelsior Co., Picture Rocks, Pa.
McIntyre, C. F., Maine, N. Y.
Moline Implement Co., Moline, Ill.
Rock Island Plow Co., Rock Island, Ill.
Rugg Mfg. Co., Greenfield, Mass.
Stedman, M. W., Tyringham, Mass.
Swineford (G. A.) Co., Canton, O.

RAKES, Lawn—See Rakes, Garden or Lawn

RAKES, Putting Green

Casement Hdw. Co., Chicago, Ill. "Early Bird"

RAKES, Worm Cast—See Rakes, Putting Green

RAMS, Hydraulic

Barnes Mfg. Co., Mansfield, O.
Columbiana Pump Co., Columbiana, O.
Crestline Mfg. Co., Crestline, O.
Deming Co., Salem, O.
Douglas (W. & B.) Pump Co., Phila., Pa.
Fairbanks, Morse & Co., Chicago, Ill.
Flint & Walling Mfg. Co., Kendallville, Ind.
Garratt (W. T.) & Co., San Francisco, Cal.
Gawthrop, Allen, Jr., Wilmington, Del.
Goulds Pumps, Inc., Seneca Falls, N. Y.
Humphryes Mfg. Co., Mansfield, O.
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O.
Niagara Hydraulic Engine Co., Chester, Pa.
Rife Hydraulic Engine Mfg. Co., 75 West, New York, N. Y.
Rumsey Pump Co., Seneca Falls, N. Y.
Worthington Pump & Mchy. Corp., 115 B'way, New York, N. Y.

RANGE BOILER STANDS—See Stands, Boiler, Range

RANGE BOILERS—See Boilers, Range

RANGE KETTLES—See Kettles, Tea, Range and Stove

RANGE OIL BURNERS—See Burners, Oil Cook Stove and Range

RANGE TOPS, Gas—See Tops, Gas Range

RANGES—See also Stoves; also Heaters

RANGES, Coal—See Stoves and Ranges, Coal

RANGES, Electric—See Stoves, Electric

RANGES, Gas

A. B. Stove Co., Battle Creek, Mich. "Battleship"
A. & J. Mfg. Co., Gadsden, Ala.
Abendroth Bros., Port Chester, N. Y. "York"
Alcazar Range & Heater Co., Milwaukee, Wis.
Allen Mfg. Co., Franklin, Tenn.
American Beauty Stove Co., Erie, Pa.
American Foundry & Mach. Co., Hamilton, O. "Spic-Span"
American Gas Machine Co., Inc., Albert Lea, Minn. "Kitchenkook"
American Gas Products Corp., Chrysler Bldg., New York, N. Y.
American Range Corp., Shakopee, Minn. "Sanico," "Queen"
American Stove Co., St. Louis, Mo. "Clark Jewel," "Dangler," "Direct Action," "Golden Glow," "Magic Chef," "National," "New Process," "Quick Meal," "Reliable"
Anchor Stove & Range Co., New Albany, Ind.
Andes Range & Furnace Corp., Geneva, N. Y.
Baker Stove Wks., Belleville, Ill.
Bardes (E. H.) Range & Foundry Co., Cincinnati, O.
Barstow Stove Co., Providence, R. I. "Herald"
Bellaire Stove Co., Bellaire, O.
Belleville Stove & Range Co., Belleville, Ill. "St. Clair"
Boynton Furnace Co., 373 4th Av., New York, N.Y. "Newport"
Buckwalter Stove Co., Royersford, Pa. "Real Apollo," "Select Apollo"
Buffalo Co-Operative Stove Co., Amherst & Tonawanda Sts., Buffalo, N. Y. "Amherst"
Caloric Gas Stove Wks., Phila., Pa.
Century Mfg. Co., 14 Powers, B'klyn, N. Y.
Century Stove & Mfg. Co., Johnstown, Pa. "Centurion"
Chambers Mfg. Co., Shelbyville, Ind.
Champion Stove Co., Cleveland, O.
Channon-Emery Stove Co., Quincy, Ill. "Neverfail"

RANGES, Gas (Continued)

Charter Oak Stove & Range Co., St. Louis, Mo.
Chicago Air-Tight Stove Co., Chicago, Ill. "Vortex"
Clark (Geo. M.) & Co., Div. American Stove Co., Chicago, Ill. "Clark Jewel"
Cleveland Co-operative Stove Co., Cleveland, O. "Grand"
Cole Mfg. Co., Chicago, Ill.
Columbia Gas Stove Co., Huntington, W. Va.
Comstock-Castle Stove Co., Quincy, Ill. "Economy"
Continental Brass & Foundry Co., St. Louis, Mo.
Co-Operative Foundry Co., Rochester, N. Y. "Red Cross"
Cox (Abram) Co., Phila., Pa. "Fortune"
Cribben & Sexton Co., Chicago, Ill. "Universal"
Crown Stove Wks., Chicago, Ill (Table Top)
Dangler Stove Co. Div., American Stove Co., Cleveland, O.
Danville Stove & Mfg. Co., Danville, Pa.
Detroit-Michigan Stove Co., Detroit, Mich. "Detroit Jewel," "Garland"
Detroit Vapor Stove Co., Detroit, Mich. "Preference," "White Star"
Direct Action Stove Co., Div. American Stove Co., Lorain, O. "Red Wheel"
Eagle Foundry Co., Belleville, Ill.
Economy Stove Co., Cleveland, O.
Elgin Stove & Oven Co., Elgin, Ill.
Eriez Stove & Mfg. Co., Erie, Pa.
Estate Stove Co., Hamilton, O.
Excelsior Stove & Mfg. Co., Quincy, Ill. "Monarch," "National"
Favorite Stove & Range Co., Piqua, O. "Ambassador," "Argosy," "Challenger," "Companion," "De Luxe," "400," "Miami - Maid," "Piquality," "Treasure Chest"
Florence Stove Co., Gardner, Mass.
Foster Stove Co., Ironton, O.
Fuller-Warren Co., Inc., Milwaukee, Wis.
Gem City Stove Mfg. Co., Quincy, Ill.
Germer Stove Co., Erie, Pa. "Radiant Home"
Glass (Arnold F.) Gas Range Co., Birmingham, Ala.
Glenwood Range Co., Taunton, Mass.
Gray & Dudley Co., Nashville, Tenn. "Washington"
Gray Iron Foundry Co., Reading, Pa.
Great Western Stove Co., Leavenworth, Kan. "Banquet," "Gastrolux"
Hammer-Bray Co., Oakland, Cal. "Artcraft," "Spark"
Hayes-Custer Stove & Furnace Co., Bloomington, Ill. "Normal" (Pressure Gas)
Heath Stove & Heating Co., Baltimore, Md.
Herd-Bailey Co., Ardmore, Okla. "Brooks"
Home Stove Co., Indianapolis, Ind.
Howard Stove Co., Beaver Falls, Pa.
Howes (S. M.) Co., Boston, Mass.
Independent Register & Mfg. Co., 713 Frankford, Cleveland, O.
Independent Stove Co., Owosso, Mich. "Renown"
Iron City Stove & Foundry Co., Bristol, Va.
Ironton Stove & Mfg. Co., Front & Walnut, Ironton, O.
Jamestown Gas Stove Corp., Corry, Pa.
Jewett & Co., Military Rd., Buffalo, N. Y.
Kalamazoo Stove Co., Kalamazoo, Mich. "De Luxe"
Karr Range Co., Belleville, Ill.
Keystone Stove Foundry, Spring City, Pa.
Leonard Metal Wks., Kankakee, Ill. "Kankakee"
Lindemann (A. J.) & Hoverson Co., Milwaukee, Wis. "L. & H."
Loth (W. J.) Stove, Div. of Edison General Electric Appliance Co., Chicago, Ill. "Loth's Gas-Saver"
Majestic Mfg. Co., St. Louis, Mo. "Super Service"
Malleable Iron Range Co., Beaver Dam, Wis. "Monarch," "Paramount"
Malleable Steel Range Mfg. Co., South Bend, Ind. "South Bend Malleable"
Miller (Wm.) Range & Furnace Co., Cincinnati, O.
Moore Bros. Co., Joliet, Ill. "Vanity"
Naylor Bros., Peekskill, N. Y.
New Method Stove Co., Mansfield, O.
New Process Stove Co. Div., American Stove Co., Cleveland, O.
Noyes & Nutter Mfg. Co., Bangor, Me.
Odin Stove Mfg. Co., Erie, Pa. "Beauty Range," "Superb," "Supreme"
Ohio State Stove & Mfg. Co., Columbus, O. "Kab-Range"
Orbon Stove Co., Belleville, Ill.
Peerless Mfg. Co., Louisville, Ky.
Pennsylvania Furnace & Stove Co., Warren, Pa.
Pittston Stove Co., Pittston, Pa. "Happy Thought," "Lehigh"
Portland Stove Fdry. Co., Portland, Me.
Portsmouth Stove & Range Co., Portsmouth, O.
Premier Stove Co., Belleville, Ill. "Presco"
Quad Stove Mfg. Co., Columbus, O.
Queen Bee Stove Wks., Tulsa, Okla.
Queen Stove Wks., Inc., Albert Lea, Minn.
Quick Meal Stove Co., St. Louis, Mo.
Quincy Stove Mfg. Co., Quincy, Ill. "Monogram"
Reliable Stove Co. Div., American Stove Co., Cleveland, O.
Republic Stove & Mfg. Co., Cleveland, O.
Reznor Mfg. Co., Mercer, Pa.
Richardson & Boynton Co., 244 Madison Av., New York, N. Y.
Roberts & Mander Stove Co., Phila., Pa. "Quality"
Rock Island Stove Co., Rock Island, Ill. "Juno"
Roesch Enamel Range Co., Inc., Belleville, Ill. "Duro," "Insul-Cardinal," "Insul-Chef"
Roper (Geo. D.) Corp., Rockford, Ill. "Eclipse," "Safe Top"
Round Oak Furnace Co., Dowagiac, Mich. "Countess," "Duches," "Empress," "Kitchenette," "Marquis," "Prince," "Princess," "Victoria"
Royal Stove Co., Spring City, Pa.
St. Paul Gas Appliance Co., St. Paul, Minn.
Scranton Stove Wks., Scranton, Pa. "Dockash"
Sexton (S. B.) Stove & Mfg. Co., Baltimore, Md.
Sheppard (Isaac A.) Co., Baltimore, Md. "Imperial Excelsior"
Sill Stove Wks., Rochester, N. Y.
Somerville Stove Wks., Somerville, N. J. "Service"
Somerworth Foundry Co., Salmon Falls, N. H.
Southard-Robertson Co., Peekskill, N. Y. "Magnetic"
Southern Stove Wks., Evansville, Ind. "Leader"
Spence-Baggs Stove Co., Martins Ferry, O.
Stamford Gas Stove Co., Stamford, Conn.
Standard Gas Equipment Corp., 18 E. 41st, New York, N. Y. "Acorn," "Oriole," "Smoothtop," "Triplex," "Vulcan"
Star Foundry Co., Covington, Ky.
Stove & Range Co. of Pittsburgh, Preble Av., Pittsburgh, Pa.
Strand Heater & Mfg. Co., Cleveland, O.
Summit Foundry Co., Geneva, N. Y.
Summit Stove Wks., Morrison, Ill.
Sun Ray Stove Co., Delaware, O.
Taplin, Rice, Clerkin Co., Akron, O.
Tappan Stove Co., Mansfield, O.
Thomas (Oscar G.) Co., Taunton, Mass.
Tinnerman Stove & Range Co., Cleveland, O. "Ohio"
Toledo Stove & Range Co., Toledo, O.
Trenkamp Stove & Mfg. Co., Cleveland, O.
Union Mfg. Co., Boyertown, Pa.
Union Stove Wks., 70 Beekman, New York, N.Y. "Astor"
Universal Heater Mfg. Co., St. Louis, Mo. "Jiffy"
Vesta Gas Range & Mfg. Co., Chattanooga, Tenn.
Victor Stove Co., Salem, O.
Walker & Pratt Mfg. Co., Boston, Mass. "Crawford"
Waterman (Henry) & Bro., 811 E. 9th, New York, N. Y.
Wehrle Co., Newark, O.
Weir Stove Co., Taunton, Mass. "Glenwood"
Weiskittel (A.) & Son Co., Baltimore, Md. "Fire King"
Wetter (H.) Mfg. Co., Memphis, Tenn.
Wheeling Corrugating Co., Wheeling, W. Va. "Super-Radiant"
White (Thos.) Stove Co., Quincy, Ill. "Bacon"
White-Warner Co., Taunton, Mass. "Household"
Wilson Stove & Mfg. Co., Easton, Pa.
Wincroft Stove Wks., Middletown, Pa.
Wood, S. L., Los Angeles, Cal.

RANGES, Hotel and Restaurant—See Stoves and Ranges, Hotel and Restaurant

RANGES, Oil—See Stoves and Heaters, Oil Burning

RANGES, Oil—See Stoves and Ranges, Oil, Wickless

RANGES, Wood—See Stoves and Ranges, Wood

RAPID FIRE and AUTOMATIC GUNS, Toy—See Guns, Automatic and Rapid Fire, Toy

RASPS—See Files

RAT EXTERMINATORS—See Exterminators, Rat

RAT TAIL FILES—See Files and Rasps

RAT TRAPS—See Traps, Rat

RATCHET DRILLS—See Drills, Ratchet

RATCHET PUMPS—See Pumps, Ratchet

RATCHET SCREW DRIVERS—See Screw Drivers, Ratchet

RATCHET WRENCHES—See Wrenches, Ratchet

RATCHETS, Fence

Cyclone Fence Co., Waukegan, Ill.
Sterling Foundry Co., Sterling, Ill. "Best"
Wrightsville Hdw. Co., Wrightsville, Pa. "Brighton"

RATTAN BROOMS—See Brooms, Rattan

RATTLES

Bogert & Hopper, 223 Varick, New York, N. Y.
Celluloid Corp., 405 Lexington Av., New York, N. Y.
Du Pont Viscoloid Co., Inc., Pyralin Div., 330 5th Av., New York, N. Y.
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y. (Wooden)
Fiberloid Corp., 200 Madison Av., New York, N.Y.
General Specialties Corp., Paterson, N. J.
Gong Bell Mfg. Co., East Hampton, Conn. (Bell)
Hill (N. N.) Brass Co., East Hampton, Conn. (Bell)
Napier-Browning Co., 105 W. 40th, New York, N. Y.
U. S. Rubber Co., 1790 B'way, New York, N. Y.
Watrous Mfg. Co., East Hampton, Conn. (Bell)
Webster Co., North Attleboro, Mass. (Silver)

RAWHIDE MALLETS—See Mallets, Rawhide

RAWLPLUGS—See Anchors, Screw

RAZOR BLADE KNIVES—See Knives, Razor Blade

RAZOR BLADE SHARPENERS—See Sharpeners, Razor Blade

RAZOR BLADES—See Blades, Safety Razor

RAZOR GUARDS

Torrey (J. R.) Razor Co., Worcester, Mass.

RAZOR HONES—See Hones, Razor

RAZOR ROLL CASES—See Cases, Razor Roll

RAZOR SETS—See Sets, Razor

RAZOR SHARPENERS—See Sharpeners, Razor Blade

RAZOR STROPS—See Strops, Razor

RAZORS, Corn

American Safety Razor Corp., 303 Jay, B'klyn, N.Y.
Bates (C. J.) & Son, Chester, Conn.
Clauss Shear Co., Fremont, O.
Henckels (J. A.) Inc., 456 4th Av., New York, N. Y. "Twin Brand"
Henkel Co., Fremont, O.
Henkel (A.) & Son, 782 S. 18th, Newark, N. J.
Schnefel Bros., 684 S. 17th, Newark, N. J. "La Cross"
Torrey (J. R.) Razor Co., Worcester, Mass.
Weck (Edwards) & Co., Inc., 206 B'way, New York, N. Y.

RAZORS, Safety

American Safety Razor Corp., 303 Jay, B'klyn, N. Y. "Ever Ready," "Gem," "Star"
Burham Safety Razor Co., 388 Hudson, New York, N. Y. "Curley Ideal"
Christy Sales Co., Fremont, O.
Clark Blade & Razor Co., 119 Sussex Av., Newark, N. J.
Conrad Razor Blade Co., 36th & 47th Av., Long Island City, N. Y.
Crater Razor Co., Constantine, Mich.
DeHaven Razor Corp., Swanton, O. "Syncrokeen" (Self-Sharpening)
Durham-Duplex Razor Co., 190 Baldwin Av., Jersey City, N. J.
Electric Razor Corp., 40-09 21st, Long Island City, N. Y. "Vibro-Shave"
Electro-Shave Safety Razor Co., Grand Rapids, Mich.
Enders Razor Co., Inc., 342 Madison Av., New York, N. Y.
Gem Safety Razor Corp., 62 Lawrence, B'klyn, N.Y.
Geneva Cutlery, Inc., Geneva, N. Y. "Genco," "Juliet," "Seneca"
Gillette Safety Razor Co., Boston, Mass. "Algonquin," "Big Fellow," "Bostonian," "Cavalier," "Chesterfield," "Chippendale," "De Luxe," "Debutante," "Milady Decolletee," "Million Dollar," "New Standard," "Roman," "Shawmut," "Somerset," "Traveler," "Tuckaway," "Valet Autostrop"
Grath Adjustable Safety Razor Co., Los Angeles, Cal.
Greist Mfg. Co., New Haven, Conn. "Penn"
Henckels (J. A.) Inc., 456 4th Av., New York, N.Y. "Twin Brand," "Welkut"
Henkel Co., Fremont, O.
Horning Products Co., Little Valley, N. Y. "Flinkor"
International Safety Razor Corp., Locust Av., Bloomfield, N. J. "Bryford," "Fax," "Liberty," "Mirak," "Sha-Ve-Zee," "Speedway"
Irving Safety Razor Co., Torrington, Conn.
King Razor Mfg. Co., Indiana, Pa.
Magazine Repeating Razor Co., Bridgeport, Conn. "Schick"
Norton Pike Co., Pike, N. H.
Shick Dry Shaver, Inc., Stamford, Conn.
Torry (J. R.) Razor Co., Worcester, Mass.
U. Magnet Safety Razor Co., Lowell, Mass.
Union Cutlery Co., Olean, N. Y. "Ka-Bar"
Wade & Butcher Corp., 190 Baldwin Av., Jersey City, N. J.
Weck (Edward) & Co., Inc., 206 B'way, New York, N. Y. "Sextoblade"

RAZORS, Straight Edge

Geneva Cutlery, Inc., Geneva, N. Y. "Genco," "Pyramid"
Sandvik Saw & Tool Corp., Minneapolis, Minn. "Heljestrand" (Imported)
Torrey (J. R.) Razor Co., Worcester, Mass. "Barber," "Old English," "Our Beauty"
Union Cutlery Co., Olean, N. Y. "Gold Coin," "Ka-Bar," "O-Bak," "Ohlium," "Spike"
Wade & Butcher Corp., 190 Baldwin Av., Jersey City, N. J.
Weck (Edward) & Co., Inc., 206 B'way, New York, N. Y.

READING BOARDS—See Boards, Spelling, Counting, Reading, Etc.

REAY MIXED PAINTS—See Paints, Ready Mixed

REAMER BITS—See Reamers, Bit Brace

REAMER TAPS—See Taps, Drill and Reamer

REAMERS—See article desired

REAMERS, Adjustable
(See also Reamers, Expansion)

Alvord-Polk Tool Co., Millersburg, Pa.
Butterfield & Co., Div., Union Twist Drill Co., Derby Line, Vt.
Chadwick & Trefethen, Portsmouth, N. H.

REAMERS, Adjustable (Continued)

Cleveland Twist Drill Co., Cleveland, O. "Paradox," "Quick-Set"
General Mach. Wks., York, Pa. "G-M"
Gisholt Mach. Co., Madison, Wis.
Greenfield Tap & Die Corp., Greenfield, Mass. "G T D"
Hood Bros., Phila., Pa.
Kelly Reamer Co., Cleveland, O.
Keystone Reamer & Tool Co., Millersburg, Pa.
McCrosky Tool Corp., Meadville, Pa.
Mergenthaler Co., Baltimore, Md.
Morse Twist Drill & Mach. Co., New Bedford, Mass. "One Lock"
Ohio Reamer Co., Cleveland, O.
Pratt & Whitney Co., Hartford, Conn.
Rogers (John M.) Works, Gloucester City, N. J.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Schellenbach-Hunt Tool Co., Cincinnati, O. "Universal"
Sheffield Mach. & Tool Co., Dayton, O.
Standard Tool Co., Cleveland, O.
Taft-Pierce Mfg. Co., Woonsocket, R. I.
Union Twist Drill Co., Athol, Mass.
Watervliet Tool Co., Inc., Albany, N. Y.
Whitman & Barnes, Inc., Detroit, Mich.

REAMERS, Bit Brace

Alvord-Polk Tool Co., Millersburg, Pa.
Brubaker (W. L.) & Bros. Co., Millersburg, Pa.
Butterfield & Co., Div., Union Twist Drill Co., Derby Line, Vt.
Cleveland Twist Drill Co., Cleveland, O.
Deuse, J. S., Chester, Conn.
Greenfield Tap & Die Corp., Greenfield, Mass. "G T D"
Greenlee Tool Co., Rockford, Ill.
Hood Bros., Phila., Pa.
Kraeuter & Co., 583 18th Av., Newark, N. J.
Mayhew Steel Products, Inc., Shelburne Falls, Mass.
Mechanics Tool & Wrench Co., Greenfield, Mass.
Morse Twist Drill & Mach. Co., New Bedford, Mass.
National Twist Drill & Tool Co., Detroit, Mich.
Plomb Tool Co., Los Angeles, Cal.
Pratt & Whitney Co., Hartford, Conn.
Standard Tool Co., Cleveland, O.
Stevens Walden, Inc., Worcester, Mass.
Stortz (John) & Son, Phila., Pa.
Swan (James) Co., Seymour, Conn.
Tuck Mfg. Co., Brockton, Mass.
Union Twist Drill Co., Athol, Mass.
Vaughan & Bushnell Mfg. Co., Chicago, Ill.
Whitman & Barnes, Inc., Detroit, Mich.

REAMERS, Center

Butterfield & Co., Div., Union Twist Drill Co., Derby Line, Vt.
Card (S. W.) Mfg. Co., Div., Union Twist Drill Co., Mansfield, Mass.
Cleveland Twist Drill Co., Cleveland, O.
Gale-Sawyer Co., Boston, Mass.
Greenfield Tap & Die Corp., Greenfield, Mass. "G T D"
Keystone Reamer & Tool Co., Millersburg, Pa.
Morse Twist Drill & Mach. Co., New Bedford, Mass.
National Twist Drill & Tool Co., Detroit, Mich.
Pratt & Whitney Co., Hartford, Conn.
Standard Tool Co., Cleveland, O.
Union Twist Drill Co., Athol, Mass.
Whitman & Barnes, Inc., Detroit, Mich.

REAMERS, Expansion

(See also Reamers, Adjustable)

Alvord-Polk Tool Co., Millersburg, Pa.
Chadwick & Trefethen, Portsmouth, N. H. "Critchley's"
Cleveland Cutter & Reamer Co., Cleveland, O.
Cleveland Twist Drill Co., Cleveland, O. "Common Sense"
Conant & Donelson Co., Conway, Mass. "Reliable"
Gale-Sawyer Co., Boston, Mass.
Gisholt Mach. Co., Madison, Wis.
Greenfield Tap & Die Corp., Greenfield, Mass. "G T D"
Kelly Reamer Co., Cleveland, O.
Keystone Reamer & Tool Co., Millersburg, Pa.
Lancaster Sales Co., Lancaster, Pa. "Beard"
Mayhew Steel Products, Inc., Shelburne Falls, Mass.
McCrosky Reamer Co., Meadville, Pa.
Millersburg Reamer & Tool Co., Millersburg, Pa. "Smooth-Kut"
Moback Tool & Mach. Mfg. Co., Boston, Mass.
Morse Twist Drill & Mach. Co., New Bedford, Mass.
National Twist Drill & Tool Co., Detroit, Mich.
New Britain Tool & Mfg. Co., New Britain, Conn.
Ohio Reamer Co., Cleveland, O.
Pratt & Whitney Co., Hartford, Conn.
Republic Tool & Mfg. Co., Cleveland, O.
Schellenbach-Hunt Tool Co., Cincinnati, O. "Acme"
Standard Tool Co., Cleveland, O.
Taft-Pierce Mfg. Co., Woonsocket, R. I.
Union Twist Drill Co., Athol, Mass.
Watervliet Tool Co., Inc., Albany, N. Y.
Wetmore Reamer Co., Milwaukee, Wis.
Whitman & Barnes, Inc., Detroit, Mich.

REAMERS, Hand

Alvord-Polk Tool Co., Millersburg, Pa.
Battery Equipment & Supply Co., Chicago, Ill. "Besco"
Bridgeport Hdw. Mfg. Corp., Bridgeport, Conn. "Radio-Lectric"
Brubaker (W. L.) & Bros. Co., Millersburg, Pa.
Buckeye Twist Drill Co., Alliance, O.
Cleveland Cutter & Reamer Co., Cleveland, O.
Cleveland Twist Drill Co., Cleveland, O.
Conant & Donelson Co., Conway, Mass. "Reliable"
Gale-Sawyer Co., Boston, Mass.
Gisholt Mach. Co., Madison, Wis.
Greenfield Tap & Die Corp., Greenfield, Mass. "G T D"
Illinois Tool Wks., Chicago, Ill.
Keystone Reamer & Tool Co., Millersburg, Pa.
Kilborn & Bishop Co., New Haven, Conn. "Green Line"
Kraeuter & Co., 582 18th Av., Newark, N. J.
Lincoln Twist Drill Co., Taunton, Mass.
McCrosky Tool Corp., Meadville, Pa.
Mechanics Tool & Wrench Co., Greenfield, Mass. "Cutwell"
Mergenthaler Co., Baltimore, Md.
Morse Twist Drill & Mach. Co., New Bedford, Mass.
National Twist Drill & Tool Co., Detroit, Mich.
Plomb Tool Mfg. Co., Los Angeles, Cal.
Pratt & Whitney Co., Hartford, Conn.
Republic Tool & Mfg. Co., Cleveland, O.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Standard Tool Co., Cleveland, O.
Taft-Pierce Mfg. Co., Woonsocket, R. I.
Union Twist Drill Co., Athol, Mass.
Walworth Co., Boston, Mass.
Whitman & Barnes, Inc., Detroit, Mich.

REAMERS, Pipe—See Taps and Reamers, Pipe

REAMERS, Taper

Alvord-Polk Tool Co., Millersburg, Pa.
Brown & Sharpe Mfg. Co., Providence, R. I. "Standard"
Brubaker (W. L.) & Bros., Millersburg, Pa.
Buck Bros., Millbury, Mass.
Buckeye Twist Drill Co., Alliance, O.
Butterfield & Co., Div., Union Twist Drill Co., Derby Line, Vt.
Chicago Screw Co., Chicago, Ill.
Cleveland Cutter & Reamer Co., Cleveland, O.
Cleveland Twist Drill Co., Cleveland, O.
Gale & Sawyer Co., Boston, Mass.
Greenfield Tap & Die Corp., Greenfield, Mass. "G T D"
Greenlee Tool Co., Rockford, Ill.
Keystone Reamer & Tool Co., Millersburg, Pa.
Mechanics Tool & Wrench Co., Greenfield, Mass.
Morse Twist Drill & Mach. Co., New Bedford, Mass.
National Twist Drill & Tool Co., Detroit, Mich.
Pratt & Whitney Co., Hartford, Conn.
Quaker City Iron Wks., Phila., Pa.
Ryan (James J.) Tool Wks., Southington, Conn.
Standard Tool Co., Cleveland, O.
Rogers (John M.) Wks., Gloucester City, N. J.
Standard Tool Co., Cleveland, O.
Stowe Flexible Shaft Co., Phila., Pa.
Syracuse Twist Drill Co., Syracuse, N. Y.
Union Twist Drill Co., Athol, Mass.
Walworth Co., Boston, Mass.
Whitman & Barnes, Inc., Detroit, Mich.

REAMERS, Taper Pin—See Reamers, Taper

REAMERS, Taper Shank—See Reamers, Taper

RECAPPERS, Shell

Modern Bond Mach. Co., Wilmington, Del.
Union Hdw. Co., Torrington, Conn.

RECEDING PIPE THREADERS—See Threaders, Pipe

RECEIVERS, Ash, Cigar

Aladdin Mfg. Co., Muncie, Ind. (Stand)
Aldrich Mfg. Co., Buffalo, N. Y.
Applied Arts Corp., Grand Rapids, Mich. "Duke," "Prince" (Automobile)
Art Metal Wks., 7 Mulberry, Newark, N. J.
Ash-Trappers, Inc., St. Albans, N. Y. (Automobile)
Backus Novelty Co., Smethport, Pa. (Rubber Vacuum)
Beardsley & Wolcott Mfg. Co., Waterville, Conn. "Wilwear"
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Cooper Oven Thermometer Co., Pequabuck, Conn. "Its Out"
Doggett, R. L. S., Belmar, N. J. "Good Luck"
Eveready Co., Frederick, Md.
F. & F. Metal Specialty Co., Inc., 129 Grand, New York, N. Y. (Automobile)
Gordon Mfg. Co., 110 E. 23rd, New York, N. Y. "Master"
Hall China Co., E. Liverpool, O. (China)
Illinois Metal Products Co., Inc., Fulton, Ill. "Windoway Ashtainer"
Improved Gouge Mfg. Co., Syracuse, N. Y. (Automobile)
Kiss Bros. Mfg. Co., New Haven, Conn.
Metal Specialties Mfg. Co., Chicago, Ill. "Presto-Fargo," "Presto"
Metal Stampings Corp., Streator, Ill. "Ideal"
Molding Corp. of America, Providence, R. I.
National Sheet Metal Co., Peru, Ill.
Newell Mfg. Co., Ogdensburg, N. Y.
Pollak (Joseph) Tool & Stamping Co., Inc., Boston, Mass. (Automobile)
Ray-Bud Studios, Chicago, Ill. (Comb. Ash Tray and Thermometer)
Sandel Mfg. Co., Chicago, Ill.
Shanklin Mfg. Co., Springfield, Ill. "Shanco" (Auto)
Smith (F. A.) Mfg. Co., Rochester, N. Y.
Smokador Mfg. Co., Inc., Nelson, Bloomfield, N. J.
Stanley Wks., New Britain, Conn.
Western Newell Mfg. Co., Freeport, Ill.

RECEIVERS, Ash, Furnace

Gunster Bros., Scranton, Pa. "Effective"
Sharp Rotary Ash Receiver Corp., Springfield, Mass.

RECEIVERS, Garbage

(See also Cans, Ash and Garbage)

Alto Mfg. Co., Chicago, Ill. "Gar-Bag" (Can with Paper Bag Container)
Casey-Foster Co., Boston, Mass. "Edstar" (Underground)
Covert (H. W.) Co., 229 E. 37th, New York, N. Y. (Underground)
Donley Bros. Co., Cleveland, O. "B. D.," (Underground)
Fellows & Co., Boston, Mass. "Felsco" (Underground)
Gabriel Steel Co., Detroit, Mich.
Geuder, Paeschke & Frey Co., Milwaukee, Wis.
Hygeia Can Co., 75 Varick, New York, N. Y. "Hygia"
Ideal Can Co., Everett, Mass. (Underground)
Jackson (Edwin A.) Bros., 50 Beekman, New York, N. Y. "Jaxon Majestic"
Justrite Mfg. Co., 2061 Southport Av., Chicago, Ill. (Removable Paper Bags)
Kitchen Katch-All Corp., Greenwich, O.
Klauer Mfg. Co., Dubuque, Ia.
Lamothe (E. J.) Co., Somerville, Mass. "Lamco" (Underground)
Lawson (F. H.) Co., Cincinnati, O. "Lawco"
Majestic Co., Huntington, Ind. (Underground)
Master Metal Products, Inc., Buffalo, N. Y. "Sanette"
Metal Package Corp. of N. Y., 110 E. 42nd, New York, N. Y. "Empeco"
National Enameling & Stamping Co., Milwaukee, Wis. "Garden Girl," "Nesco"
Pike (Frank A.) Co., Rochester, N. Y. "PI-Kan"
Reeves Mfg. Co., Dover, O. (Underground)
Rochester Can Co., Rochester, N. Y. "Iron Horse"
Sanitary Receiver Co., Dunkirk, N. Y. "Sani-Can"
Sexton Can Co., Everett, Mass. (Also underground)
Silvers Mfg. Co., Waterloo, Ia. (Underground)
Stearns (E. C.) & Co., Syracuse, N. Y. "Out of Sight," "Stearns Ecsco" (Underground)
Swett (A. L.) Iron Wks., Medina, N. Y. (Underground)
Winsted Hardware Mfg. Co., Winsted, Conn. "Durabilt"
Witt Cornice Co., 2114 Winchell Av., Cincinnati, O. (Underground)

RECEIVERS, Milk and Package

Donley Bros. Co., Cleveland, O.
Gabriel Steel Co., Detroit, Mich.
Kalman Steel Co., Chicago, Ill.
Majestic Co., Huntington, Ind.
Milcor Steel Co., Milwaukee, Wis.
Swett (A. L.) Iron Wks., Medina, N. Y.

RECEIVING SETS—See Radio Receiving Sets

RECEPTACLES, Flush

American Electric Co., Chicago, Ill. "Ajax"
Arrow-Hart & Hegeman Electric Co., Hartford, Conn.
Beaver Mfg. Co., Newark, N. J.
Benjamin Elec. Mfg. Co., Chicago, Ill.
Bryant Elec. Co., Bridgeport, Conn. "D. D." "Hemco," "KeNeX"
Circle (F.) Mfg. Co., Trenton, N. J.
Connecticut Elec. Mfg. Co., Bridgeport, Conn.
Connecticut Molded Products Corp., Meriden, Conn.
Darrow Mfg. Co., 36 E. 20th, New York, N. Y.
Gayner Elec. Co., Inc., Bridgeport, Conn.
General Elec. Co., Inc., Schenectady, N. Y.
Hubbell (Harvey), Inc., Bridgeport, Conn.
Leiser (W. A.) & Co., Phila., Pa.
Metropolitan Elec. Mfg. Co., Boulevard at 14th, Long Island City, N. Y.
Pass & Seymour, Syracuse, N. Y.
Paulding, John I., New Bedford, Mass.
Square D. Co., Detroit, Mich.
Steel City Elec. Co., Pittsburgh, Pa.
Weber Electric Co., Schenectady, N. Y.

RECEPTACLES, Sanitary Napkin

Hygeia Can Co., 75 Varick, New York, N. Y.

RECEPTACLES, Waste, Self-Closing

Bennett Mfg. Co., Alden, N. Y. "Economy"
Economy Baler Co., Ann Arbor, Mich.
Solar-Sturges, Melrose Park, Ill.
Utica Products, Inc., Utica, N. Y.

RECIPE CABINETS—See Cabinets, Recipe

RECIPE FILES—See Files, Recipe

RECIPROCATING DRILLS—See Drills, Reciprocating

RED LEAD—See Lead, Red

REDUCERS, Hose

Acheson Mfg. Co., Braddock, Pa. "Bliss"
American Foundry & Mfg. Co., St. Louis, Mo.
American Safety Lamp & Mine Supply Co., Scranton, Pa.
Boston Woven Hose & Rubber Co., Cambridge, Mass.
Crane Co., Chicago, Ill.
Ross Sprinkler Co., Pasadena, Cal.
Schlangen Mfg. Co., Chicago, Ill.
Sherman (H. B.) Mfg. Co., Battle Creek, Mich.
Smith (D. B.) & Co., Utica, N. Y.

REDUCERS, Sockets—See Sockets, Reducer

REDUCING NIPPLES—See Nipples, Reducing

REEL BRAKES, Fishing—See Brakes, Reel, Fishing

REEL CASES—See Cases, Reel

REEL DRAGS, Fishing—See Drags, Reel, Fishing

REELS, Fishing

Abbey & Imbrie, Utica, N. Y.
Air-Fed Mfg. & Stamping Co., Inc., Quincy, Ill.
American Swiss Magneto Co., Toledo, O.
Bogert & Hopper, 223 Varick, New York, N. Y.
Boyer Mfg. Co., Winona Lake, Ind. "Winona"
Bronson Reel Co., Bronson, Mich.
Chubb (T. H.) Rod Co., Post Mills, Vt.
Enterprise Mfg. Co., Dept. HA, Akron, O. "Adams," "Akron," "Alpine," "Atlapac," "Atlas," "Autopla," "Beacon," "Bond," "Buckeye," "Capitol," "Captain," "Comrad," "Cub," "Delite," "Eagalite," "Eureka," "Everlaster," "Excell," "Golden West," "Hawkeye," "Interocean," "Medalist," "Medina," "Monarch," "Niftee," "Norka," "Oceanic," "Ohio," "Osage," "Par," "Pard," "Pastime," "Pflueger Superex," "Pontiac," "Progress," "Regal," "Rubber City," "Sal-Trout," "Seminole," "Sentrie," "Sumco," "Summit," "Supreme," "Taxi," "Temco," "Templar," "Topic," "Trump," "Trusty," "Wildwood," "Worth"
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Fox Co., Phila., Pa.
Gayle (Geo. W.) & Son, Frankfort, Ky. "Simplicity"
Go-Ite Mfg. Co., Flint, Mich.
Heddon's (James) Sons, Dowagiac, Mich.
Hildebrandt (J. J.) Co., Logansport, Ind.
Horrocks-Ibbotson Co., Dept. S, Utica, N. Y. "Barnegat," "Fernwood," "Utica," "Vernley," "Y. & E." (Automatic)
Horton Mfg. Co., Bristol, Conn. "Blue Grass," "Meek," "Meek Fly"
Jamison, W. J., Chicago, Ill.
Kewell (Chas. H.) Co., San Francisco, Cal.
Martin Automatic Fishing Reel Co., Mohawk, N. Y.
Meisselbach (A. F.) Div. of General Industries Co., Elyria, O. "Autofly," "Bullseye," "Flyer," "Neptune," "New Neptune," "Rainbow," "Range," "Sealine," "Surf," "Takapart," "Target"
Meisselbach-Catucci Mfg. Co., 51 Stanton, Newark, N. J. "Symploreel"
Milam (B. C.) & Son, Frankfort, Ky.
Mills (Wm.) & Son, 21 Park Pl., New York, N. Y.
Montague Rod & Reel Co., Montague City, Mass. "Clipper," "Favorite," "Fishkill," "Flash," "Flipline," "Manitou," "Offshore," "Rapidan," "Sunbeam," "Trail"
Newton & Thompson Mfg. Co., Brandon, Vt.
Ocean City Mfg. Co., Phila., Pa. "Chelsea"
Orvis, C. F., Manchester, Vt.
Richardson Rod & Reel Co., Chicago, Ill. "Paying," "Talbot"
Rider Casting Reel Co., Ft. Wayne, Ind.
Rochester Reel Co., Rochester, N. Y.
Sanford's Springfisher, Vashon, Wash.
Shakespeare Co., Kalamazoo, Mich.
Sommer (John) Faucet Co., 32 Morris Av., Newark, N. J.
South Bend Bait Co., South Bend, Ind. "Oreno"
Union Hdw. Co., Torrington, Conn. "Sunnybrook," "Union"
Vom Hofe, Julius, 131 Grand Av., B'klyn, N. Y.

REELS, Hose, Garden

Albertoni (G. H.) Swivel & Valve Wks., Cleveland, O.
American Fork & Hoe Co., Cleveland, O. "True Temper"
Anker-Holth Mfg. Co., Inc., Port Huron, Mich. "Real Reel"
Blair Tool & Machine Corp., College Point, N. Y. (Collapsible)
Casey-Foster Co., Boston, Mass. "Edstar," "Truxall"
Cincinnati Pump Mfg. Co., Cincinnati, O.
C-K-R Company, Cleveland, O. "Little Giant"
Clark (J. R.) Co., Minneapolis, Minn.
Cleveway Mfg. Co., Cleveland, O.
Garton Toy Co., Sheboygan, Wis.
Gaylord Mfg. Co., Paterson, N. J. (Revolving)
Grand Rapids Wire Products Co., Grand Rapids, Mich. "Handiest"
Hetherington Co., Piqua, O.
Holden (A. S.), Inc., Cleveland, O.
Independent Register & Mfg. Co., Cleveland, O.
Little Giant Mfg. Co., Minneapolis, Minn. "Little Giant" (Automatic)
McKinnon Dash Co., Buffalo, N. Y. "Knock Down"
Majestic Co., Huntington, Ind.
Miami Cabinet Co., Middletown, O. "Hos-A-Dor"
Mollenhour Lumber Co., Mentone, Ind.
Shannon Mfg. Co., Chicago, Ill.
Specialty Mfg. Co., St. Paul, Minn. "Detachable"
Spray Engineering Co., Boston, Mass. "Simplex"
Steele-Alderfer Co., Cuyahoga Falls, O.
Whitehurst (R. W.) Mfg. Co., Norfolk, Va.
Wirt & Knox Mfg. Co., Phila., Pa. "Simplex," "Victor"

REELS, Line, Chalk and Masons'

Bogert & Hopper, 223 Varick, New York, N. Y.
Narragansett Mach. Co., Providence, R. I.
Seymour Products Co., Seymour, Conn. "Eastman" (Self Chalking)
Stanley Wks., New Britain, Conn.
Union Hdw. Co., Torrington, Conn.

REELS, Line, Clothes

(See also Pulleys, Clothes Line)

American Scale Co., Kansas City, Mo.
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Feeney Mfg. Co., Muncie, Ind. "Handy," "Star"
Forsyth Metal Goods Co., Inc., East Aurora, N. Y.
Gehl Bros. Mfg. Co., West Bend, Wis.
Gem Mfg. Co., North Girard, Pa.
Handy Things Mfg. Co., Ludington, Mich.
Hoge Mfg. Co., Inc., 23 E. 21st, New York, N. Y. "Dustless," "Lowell," "Ever-Ready"
Klauer Mfg. Co., Dubuque, Ia.
Little Giant Co., Mankato, Minn.
Mordt Co., Chicago, Ill.
Patent Novelty Co., Inc., Fulton, Ill. "Bluebird," "Jiffy," "Polly Prim Portable," "Snowbird," "Tidy Tilly"
Porter Steel Specialties, Shelbyville, Ind.
Pressed Metal Products Co., Cleveland, O. "Champion"
Ritch & Pidge Mfg. Co., Fultonville, N. Y. "Peerless"
Salem Tool Co., Salem, O. "Silver"
Sanitary Appliance Co., Neenah, Wis.
Sommer (John) Faucet Co., 32 Morris Av., Newark, N. J.
Stretch E-Z Clothes Line Reel Co., Des Moines, Ia.
Swett (A. L.) Iron Wks., Medina, N. Y.
United Royalties Corp., 1133 B'way, New York, N. Y. "Saturn"
United States Lock & Hdw. Co., Columbia, Pa.
Young (J. O.) Co., Springfield, Mass.

REFEREES' WHISTLES—See Whistles, Referees'

REFINISHING VARNISHES—See Varnishes, Refinishing

REFLECTORS, Electric Light

A.-A. Electric Mfg. Co., Bridgeport, Conn.
Benjamin Electric Mfg. Co., Chicago, Ill.
Consolidated Electric Lamp Co., 990 Holton, Danvers, Mass. "Green Back"
Curtis Lighting, Inc., Chicago, Ill. "Lumitone"
Darow Mfg. Co., 36 E. 20th, New York, N. Y. (Christmas Tree)
Faries Mfg. Co., Decatur, Ill.
Frink Corp., 23 Bridge Plaza, Long Island City, N. Y. "Silverlite"
Holophone Glass Co., 340 Madison Av., New York, N. Y.
Hubbell (Harvey), Inc., Bridgeport, Conn.
Ingram-Richardson Mfg. Co., Beaver Falls, Pa.
Jefferson Glass Co., State, Follansbee, W. Va.
Persons-Majestic Mfg. Co., Worcester, Mass.
Pittsburgh Reflector Co., Pittsburgh, Pa.
Quadrangle Mfg. Co., Inc., Chicago, Ill. "Quad"
Testrite Instrument Co., 57 E. 11th, New York, N. Y. "Flashrite"
Western Reflector Co., Chicago, Ill.
Westinghouse Elec. & Mfg. Co., E. Pittsburgh, Pa.

REFRESHMENT SETS—See Sets, Refreshment

REFRIGERANT GAS LEAK DETECTOR

Turner Brass Wks., Sycamore, Ill.

REFRIGERATOR ACCESSORIES

Aluminum Goods Mfg. Co., Manitowoc, Wis.
Bellaire Enamel Co., Bellaire, O.
Columbian Enameling & Stamping Co., Terre Haute, Ind.
Corning Glass Wks., Corning, N. Y. "Pyrex"
Federal Enameling & Stamping Co., McKees Rocks, Pa.
Fry (H. C.) Glass Co., Rochester, Pa.
Geuder, Paeschke & Frey Co., Milwaukee, Wis.
McKee Glass Co., Jeannette, Pa.
Owen-Illinois Glass Co., Toledo, O. "Tiltop" (Bottle)
Polar Ware Co., Sheboygan, Wis.
Scurlock Kontanerette Corp., 332 S. Michigan Av., Chicago, Ill.
Sneath Glass Co., Hartford City, Ind. (Water Coolers)
United States Stamping Co., Moundsville, W. Va.
Vollrath Co., Sheboygan, Wis.

REFRIGERATOR BASKETS—See Baskets, Refrigerator

REFRIGERATOR BOTTLES—See Bottles, Refrigerator

REFRIGERATOR BRUSHES—See Brushes, Refrigerator

REFRIGERATOR CARRIERS—See Carriers, Refrigerator

REFRIGERATOR DISHES—See Dishes, Refrigerator

REFRIGERATOR DOOR GASKET—See Gasket, Door, Refrigerator

REFRIGERATOR, ELECTRICAL UNITS—See Units, Refrigerator

REFRIGERATOR GLASS WARE—See Ware, Glass

REFRIGERATOR HARDWARE

Arcade Mfg. Co., Freeport, Ill.
Artistic Bronze Co., Bridgeport, Conn.
Attwood Brass Wks., Inc., Grand Rapids, Mich.
Bommer Spring Hinge Co., 263 Classon Av., Bklyn., N. Y.
Brainerd Mfg. Co., E. Rochester, N. Y.
Brass Goods Mfg. Co., 345 Eldert, Bklyn., N. Y.
Chicago Hdw. Foundry Co., N. Chicago, Ill.
Chicago Forging & Mfg. Co., Chicago, Ill.
Corbin, P. & F., New Britain, Conn.
Dent Hdw. Co., Fullerton, Pa.
Foster, Merriam & Co., Meriden, Conn.
Grand Haven Brass Foundry, Grand Haven, Mich.
Grand Rapids Brass Co., Grand Rapids, Mich.
Kason Hdw. Corp., 61 Navy, B'klyn, N. Y.
Keeler Brass Co., Grand Rapids, Mich.
Keil (Francis) & Son, Inc., 401 E. 163rd, New York, N. Y.
McKinney Mfg. Co., Pittsburgh, Pa.
National Brass Co., Grand Rapids, Mich.
National Lock Co., Rockford, Ill.
Norwalk Lock Co., 12 Warren, New York, N. Y.
Payson Mfg. Co., Chicago, Ill.
Sargent & Co., New Haven, Conn.
Slaymaker Lock Co., Lancaster, Pa.
Stanley Wks., New Britain, Conn.
Victor Products Corp., Hagerstown, Md.
Winters & Crampton Mfg. Co., Grandville, Mich.

REFRIGERATOR JARS—See Jars, Refrigerator

REFRIGERATOR LIGHTING UNITS

Arrow-Hart & Hegeman Electric Co., Hartford, Conn.

REFRIGERATOR LOCKS—See Locks, Refrigerator

REFRIGERATOR PANS—See Pans, Refrigerator

REFRIGERATOR SHELVES—See Shelves, Refrigerator

REFRIGERATOR THERMOMETERS—See Thermometers, Refrigerator

REFRIGERATORS

Arcade Mfg. Co., Freeport, Ill. (Toy)
Arlington Refrigerator Co., Inc., Arlington, Vt. "Arco," "Berkshire"
Baldwin Refrigerator Co., Burlington, Vt. "Dunmore," "Invincible," "Sanitas," "Vermonter"
Banta Refrigerator Co., Clearfield, Pa.
Beaver Refrigerator & Potteries Co., New Brighton, Pa.
Bohn Refrigerator Co., St. Paul, Minn.
Burlington Basket Co., Burlington, Iowa. "Hawkeye" (Portable Basket)
Chrysler & Roppin Co., Detroit, Mich.
Cleveland Refrigerator Co., Cleveland, O.
Cold Storage Refrigerator Co., Eau Claire, Wis.
Crystal Refrigerator Co., Fremont, Neb.
Delaware Industries Co., Delaware, O. "Dico"
Dillingham Mfg. Co., Sheboygan, Wis. "Economy," "New Iceberg"
Drake & Son, Wichita, Kan.
Dry-Kold Refrigerator Co., Niles, Mich.
Eddy (D.) & Sons Co., Boston, Mass.
Excelsior Stove & Mfg. Co., Quincy, Ill.
Garland Refrigerator Co., Mt. Vernon, N. Y.
Greist Mfg. Co., New Haven, Conn. (Toy)
Gurney Refrigerator Co., Fond du Lac, Wis. "Athermos"
Harder Refrigerator Corp., Cobleskill, N. Y. "Kleen Kold"
Heinz & Munschauer, Buffalo, N. Y. "Buffalo," "Erie," "Niagara," "Polar," "Zero"
Hemp & Co. Corp., St. Louis, Mo. (Metal)
Herrick Refrigerator & C. S. Co., Waterloo, Ia.
Hill (C. V.) & Co., Trenton, N. J.
Hoge Mfg. Co., Inc., 23 E. 21st, New York, N. Y. "Playhouse" (Toy)
Howe Scale Co., Rutland, Vt.
Illinois Refrigerator Co., Morrison, Ill.
Jewett Refrigerator Co., Buffalo, N. Y.
Johnson-Randall Co., Traverse City, Mich.
Jointless Refrigerator Mfg. Co., Milwaukee, Wis.
Jones (A. E.) Co., Boston, Mass.
Knoell (John) & Sons, Phila., Pa.
LaCrosse Refrigerator Corp., La Crosse, Wis. "Frost Kist," "Gold Medal," "Lorraine," "Snow Drift"
Leibe, Wm., New Orleans, La.
Leominster Refrigerator Co., Leominster, Mass.
Leonard Refrigerator Co., Detroit, Mich. "Cleanable," "Foodmaster," "Frost-Cold"
Lisk Mfg. Co., Ltd., Canandaigua, N. Y.
Lorillard Refrigerator Co., 409 Madison Av., New York, N. Y.
McCray Refrigerator Co., Kendallville, Ind.
McKee Refrigerator Co., 119 Lorimer, B'klyn, N.Y.
Mace (L. H.) & Co., 55 E. 150th, New York, N. Y.
Maine Mfg. Co., Nashua, N. H. "Green Mountain," "North Pole," "White Mountain"
Miller Mfg Co., St. Louis, Mo.

REFRIGERATORS (Continued)

Modern Refrigerator Co., Peru, Ind.
National Refrigerator Co., St. Louis, Mo.
National Refrigerator & Table Co., Phila., Pa.
North Star Refrigerator Co., Richmond, Ind.
North Star Specialty Mfg. Co., Minneapolis, Minn. "Re-Ly-O"
Northern Refrigerator Co., Detroit, Mich. "Glacier Queen"
Odorless Refrigerator Co., Chattanooga, Tenn.
Ottenheimer Bros., Inc., Baltimore, Md. "Oreoles" "Reol"
Perfection Stove Co., 7609 Platt Av., Cleveland, O. "Superflex" (Oil Burning)
Ranney Refrigerator Co., Greenville, Mich.
Rhinelander Refrigerator Co., Rhinelander, Wis. "Airtite"
Ridgway Refrigerator Co., Phila., Pa.
Rutland Mfg. Co., Rutland, Vt.
Sanitary Refrigerator Co., Fond du Lac, Wis.
Seeger Refrigerator Co., St. Paul, Minn.
Seidel Furniture Mfg. Co., New Orleans, La.
Shirks Refrigerator Co., Chicago, Ill.
Southern Cabinet & Refrigerator Co., New Orleans, La.
Standard Refrigerator Co., Phila., Pa.
Success Mfg. Co., Gloucester, Mass.
Trotter (C. W.) & Sons, Rochester, N. Y.
Viking Refrigerators, Inc., Kansas City, Mo.
Whitman, F. E., Clinton, Me.

REFRIGERATORS, Automobile—See Boxes, Ice, Automobile

REFRIGERATORS, Electric

All-American Mohawk Corp., North Tonawanda, N. Y. "Mohawk"
Apex Electrical Mfg. Co., Cleveland, O.
Automatic Refrigerator Corp., Chicago, Ill.
Bohn Refrigerator Co., St. Paul, Minn.
Bryant Electric Refrigeration Corp., New Milford, Pa.
Copeland Products, Inc., Mt. Clemens, Mich.
Crosley Radio Corp., Cincinnati, O.
Dayton Refrigerator Corp., Dayton, O.
Deissler Machine Co., Greenville, Pa. "Diceler"
Devon Mfg. Co., Boston, Mass.
Electro-Kold Corp., Spokane, Wash.
Fada Radio & Elec. Corp., 24 Orchard, Long Island City, N. Y.
Frigidaire Corp., Dayton, O.
General Electric Co., Schenectady, N. Y.
Gibson Electric Refrigerator Corp., Greenville, Mich.
Gilfillan Bros., Inc., Los Angeles, Cal.
Grigsby-Grunow Co., Chicago, Ill. "Majestic"
Grinnell Washing Machine Corp., Grinnell, Ia.
Grunow Corp., Chicago, Ill.
Iceberg Mfg. Co., Gardner, Mass.
Ilg Electric Ventilating Co., Chicago, Ill. "Ilg-Kold"
Illinois Moulding Co., Chicago, Ill. "King Kold"
Kelvinator Corp., Detroit, Mich.
Keokuk Refrigerating Co., Keokuk, Ia.
Leonard Refrigerator Co., Detroit, Mich.
Maine Mfg. Co., Nashua, N. H. "White Mountain"
Malleable Iron Range Co., Beaver Dam, Wis. "Monarch"
Merchant & Evans Co., Phila., Pa. "M. & E."
Molner Products Corp., Chicago, Ill. "Freeze King"
Narragansett Machine Co., Pawtucket, R. I.
Norge Corp., Detroit, Mich.
Servel Sales, Inc., Evansville, Ind.
Sparks-Withington Co., Jackson, Mich. "Sparton"
Starr Co., Richmond, Ind.
Stewart-Warner Corp., Chicago, Ill.
Summerheat Corp. of America, Dowagiac, Mich. "Wintercold"
Tennessee Furniture Corp., Chattanooga, Tenn. "Cavalier"
Tigar Corp., Chelsea, Mass.
Tricold Refrigerator Corp., Buffalo, N. Y.
Trupar Mfg. Co., Dayton, O. "Mayflower"
Uniflow Mfg. Co., Erie, Pa. "Lectrik-Ice"
Universal Cooler Corp., Detroit, Mich.
U. S. Radio & Television Corp., Marion, Ind. "Hermetic"
Welsbach Co., Gloucester, N. J.
Westinghouse Electric & Mfg. Co., Mansfield, O. "Dual-Automatic"
Whitehead Refrigeration Co., Detroit, Mich.
Williams Oil-O-Matic Heating Corp., Bloomington, Ill. "Ice-O-Matic"
Zerozone Corp., Chicago, Ill.

REFRIGERATORS, Gas

Electrolux Refrigerator Sales, Inc., Evansville, Ind.
Faraday Refrigerator Corp., Dayton, O.

REFRIGERATORS, Iceless

Atlas Metal Wks., Dallas, Tex.
Crosley Radio Corp., Cincinnati, O. "Icyball"
Sedgwick Machine Wks., 160 W. 15th, New York, N. Y.

REFRIGERATORS, Nursery

Fries' Bros. Sons, Phila., Pa.
Kamenstein, M., Prospect & Pearl, B'klyn, N. Y.
Kreamer (A.) Inc., 307 Kent Av., B'klyn, N. Y.
McAleer (E. J.) & Co., Phila., Pa.
Porter (C B.) Co., Phila., Pa.

REFRIGERATORS, Oil Burning

Perfection Stove Co., Inc., Cleveland, O. "Superfex"

REFRIGERATORS, Toy—See Refrigerators

REFRIGERATORS, Window

Corcoran Mfg. Co., Cincinnati, O. "Peerless"
Durlach Can & Iron Wks., 234 Bridge, B'klyn, N.Y.
Kennedy Mfg. Co., Van Wert, O.
Lawson (F. H.) Co., Cincinnati, O. "Lawco"
Mitchell (G. F.) & Sons Co., Cleveland, O.
National Enameling & Stamping Co., Milwaukee, Wis. "Nesco"
Porter (C. B.) Co., Phila., Pa.
Rochester Can Co., Rochester, N. Y. "Iron Horse"

REGISTER CHAINS—See Chains, Register

REGISTER SHIELDS—See Shields, Register

REGISTERING BANKS, Toy—See Banks, Children's

REGISTERS, Cash

Burroughs Adding Machine Co., Detroit, Mich.
Durable Toy & Novelty Co., 215 4th Av., New York, N. Y. "Uncle Sam" (Toy)
Egry Register Co., Dayton, O.
McCaskey Register Co., Alliance, O.
National Cash Register Co., Dayton, O.
Ohmer Fare Register Co., Dayton, O.
Pressed Metal Products Co., Cleveland, O.
Remington Cash Register Co., Inc., Ilion, N. Y.

REGISTERS, Floor and Wall—See Registers, Warm Air

REGISTERS, Warm Air

Agricola Furnace Co., Inc., Gadsden, Ala.
Auer Register Co., Cleveland, O. "Aristocrat," "Aueristocrat," "Colonial," "Economy," "Pro-Tex-Wall"
Hall-Neal Furnace Co., Indianapolis, Ind.
Hart & Cooley Mfg. Co., Chicago, Ill.
Independent Register & Mfg. Co., Cleveland, O. "Fabrikated"
Majestic Co., Huntington, Ind. "Duplex"
Milcor Steel Co., Milwaukee, Wis.
Mueller (L. J.) Furnace Co., Milwaukee, Wis.
Philadelphia Hdw. & Malleable Iron Wks., Phila., Pa. "Colonial"
Rock Island Register Co., Rock Island, Ill. "Island City," "No Streak," "Out O Wall," "Vol-Yum"
Stearns Register Co., Detroit, Mich.
Tuttle & Bailey Mfg. Co., 70 Berry, B'klyn, N. Y. "Super-Regs"
U. S. Register Co., Battle Creek, Mich. "Jones," "National"
Waterloo Register Co., Waterloo, Ia.

REGRINDING VALVES—See Valves, Regrinding

REGULATORS, Electric Light, Store

Tillery's Little Janitor Clock Co., 55 Orchard, Newark, N. J. "Little Janitor"
Tork Co., 12 E. 41st, New York, N. Y.

REGULATORS, Furnace

Automatic Heat Regulator Co., Chicago, Ill.
Bowen Products Corp., Auburn, N. Y. "Empress"
Bristol Co., Waterbury, Conn.
Cook Electric Co., Chicago, Ill.
Davis & Daggett Co., Springfield, Mass. (Oil Burning) "D. & D."
Gray Bros., Inc., Plano, Ill. "Stanley" (Automatic)
Greene, Tweed & Co., 109 Duane, New York, N. Y. "Tidey"
Hart & Cooley Mfg. Co., Chicago, Ill. "H. & C."
Kees (F. D.) Mfg. Co., Beatrice, Neb. "Fuel Saver"
Mercoid Corp., Chicago, Ill.
Minneapolis-Honeywell Regulator Co., So. Minneapolis, Minn. "Electric Janitor," "Jewell Junior"
Pioneer Heat Regulator Corp., Dayton, O.
Puffer (W. E.) & Sons, 234 Water, New York, N.Y.
Quaker Mfg. Co., Chicago, Ill.
Ridgeway Furnace Co., Boston, Mass.
Riverside Mfg. Co., 162 Riverside Av., Newark, N. J.
Robertshaw Thermostat Co., Youngwood, Pa.
Rowe, L. L., Boston, Mass.
Sheer (H. M.) Co., Quincy, Ill.
Standard Thermometer Co., Inc., Boston, Mass.
Tillery's Little Janitor Clock Co., 55 Orchard, Newark, N. J.
Tork Co., 12 E. 41st, New York, N. Y.
Vitadisc Co., Inc., Rochester, N. Y. "The Scotch Fireman" (Furnace Stoker)
Witt (G. E.) Co., San Francisco, Cal.
Woodward (Frank E.) & Co., Boston, Mass. "Fowler"

REGULATORS, Gas

American Stove Co., St. Louis, Mo. "Lorain"
American Thermometer Co., St. Louis, Mo.
Johnson Gas Appliance Co., Cedar Rapids, Ia.
Luther Mfg. Co., Inc., Olean, N. Y.
Quick Meal Stove Co., St. Louis, Mo.
Robertshaw Thermostat Co., Youngwood, Pa.
Wilson (H. A.) Co., Newark, N. J. "Wilcolator"

REGULATORS, Windmill

Aermotor Co., Chicago, Ill.
Baker Mfg. Co., Evansville, Ind.
Flint & Walling Mfg. Co., Kendallville, Ind. "Star"
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O.
Red Jacket Mfg. Co., Davenport, Ia.

REINFORCEMENTS, Wire, Concrete—See Wire Reinforcements

REINFORCING STEEL—See Steel, Reinforcing

REINS, Toy

Ace Leather Goods Co., Salem, O.
Gong Bell Mfg. Co., East Hampton, Conn.
Hill (N. N.) Brass Co., East Hampton, Conn.

RELIEF VALVES—See Valves, Relief

RELOADING TOOLS—See Tools, Loading, Cartridge and Shell

REMOVERS, Mar and Scratch

Golden Star Polish Mfg. Co., Kansas City, Mo. "Handy"

REMOVERS, Paint and Varnish

Absorene Mfg. Co., St. Louis, Mo. "Zev"
Acme Oil Wks., Phila., Pa. "Pypo"
Acme White Lead & Color Works, Detroit, Mich.
Adams & Elting Co., Chicago, Ill. "Ad-el-ite"
Ambassador Specialties, Inc., Detroit, Mich. "Heart of Quality"
American Lacquer Solvents Co., Norriston, Pa. "Supersol"
Atlantic Drier & Varnish Co., Phila., Pa. "Takitof"
Atlantic Varnish Works, Richmond, Va. "Rip-Off"
Behlin (H.) & Bro., 10 Christopher, New York, N.Y.
Berry Bros., Detroit, Mich.
Billings-Chapin Co., Cleveland, O. "Bilchaco"
Bissel Varnish Co., Bridgeport, Conn. "E Z"
Boyle (A. B.) Co., Cincinnati, O. "Va-ni-ge"
Bradley & Vrooman Co., Chicago, Ill. "Crown"
Certain-teed Products Corp., 100 E. 42d., New York, N. Y.
Chamberlain-Haber Chemical Co., Cleveland, O. "Presto"
Day (Jas. B.) & Co., Chicago, Ill. "Kut-Kote"
DeGolyer Varnish Works, Troy, N. Y. "E-Kon-O-Me"
Detroit White Lead Works, Detroit, Mich. "Ab-Lu-Ent"
Du Pont (E. I.) de Nemours & Co., Phila., Pa.
Eberson-Lindsley Paint Co., St. Louis, Mo. "V. & P. Solvent"
Enterprise Paint Mfg. Co., Chicago, Ill. "Noxall"
Foy Paint Co., Inc., Cincinnati, (Norwood), O.
Gillespie (Chas. H.) & Sons, Dey, Jersey City, N. J. "Monarch Bull Dog"
Glidden Co., Cleveland, O.
Gould & Cutler, Boston, Mass. "Eclipse"
Hilo Varnish Corp., Marcy & Flushing Avs., B'klyn, N. Y.
Indianapolis Paint & Color Co., Indianapolis, Ind. "Capital City," "Rapid"
Johnson (S. C.) & Son, Racine, Wis.
Lansing Paint & Color Co., Lansing, Mich.
Lawrence (W. W.) & Co., Pittsburgh, Pa. "Klean-Itt"
Lowe Bros. Co., Dayton, O.
Lucas (John) & Co., Phila., Pa. "Mirac"
Martin-Senour Co., Chicago, Ill.
Martin Varnish Co., Chicago, Ill.
Midway Chemical Co., Chicago, Ill. "Radiant"
Nice, Eugene E., Phila., Pa.
Oakley Chemical Co., 22 Thames, New York, N. Y. "Oakite"
Parrott Varnish Co., Bridgeport, Conn. "Parvaco," "Wild Cat"
Peninsular Paint & Varnish Co., Detroit, Mich.
Permatex Co., Sheepshead Bay, N. Y.
Pittsburgh Plate Glass Co., Milwaukee, Wis. "Pitcairn"
Pratt & Lambert, Buffalo, N. Y. "Expedite"
Republic Varnish Co., 216 Parkhurst, Newark, N. J.
Rust-Off Mfg. Co., Buffalo, N. Y. "Imp"
Schalk Chemical Co., Los Angeles, Cal. "Double X"
Sheffield Bronze Powder & Stencil Co., 5817 Kinsman Rd., Cleveland, O.
Sherwin-Williams Co., Cleveland, O. "Cover the Earth"
Standard Varnish Works, 386 4th Av., New York, N. Y. "Quickwork"
Steelcote Mfg. Co., St. Louis, Mo.
Wadsworth-Howland Co., Chicago, Ill. "Bay State"
Williams Mfg. Co., Camden, N. J.
Wilson-Imperial Co., 115 Chestnut, Newark, N. J. "Lingerwett," "Wonderpaste"
Woolsey (C. A.) Paint & Color Co., 500 Grand, Jersey City, N. J.

REMOVERS, Wall Paper

Benco Chemical Products Co., Cleveland, O.

REMOVERS, Wax

Schalk Chemical Co., Los Angeles, Cal. "Waxoff"

RENEWABLE DISC VALVES—See Valves, Renewable Disc

REPAIR HANDLES—See Handles, Repair

EPAIRERS, Gun

bel (W. A.) Co., Syracuse, N. Y.
leveland Arms Co., St. Louis, Mo.
ullum & Boren Co., Dallas, Texas
art Arms Co., Cleveland, O.
edgley (R. F.) Inc., Phila., Pa.
oeger (A. F.) Inc., 509 Fifth Av., New York, N. Y.
estern Arms Co., Ottumwa, Ia.

EPAIR KITS, Tire—See Kits, Tire Repair

EPAIRS, Boiler

rauer (A. G.) Supply Co., St. Louis, Mo.
hamberlain Co., Pittsburgh, Pa. "Chaco"
essler (H. E.) Co., Syracuse, N. Y.
ortwestern Stove Co., Chicago, Ill.

EPAIRS, Furnace

rauer (A. G.) Supply Co., St. Louis, Mo.
essler (H. E.) Co., Syracuse, N. Y
orthwestern Stove Co, Chicago, Ill.

EPAIRS, Heater—See Repairs, Stove

EPAIRS, Lawn Mower

erschel (R.) Mfg. Co., Peoria, Ill.
rty Mfg. Co., Inc., Chicago, Ill.

EPAIRS, Sewing Machine

elock Mfg. Co., St. Louis, Mo.
ewer (A. G.) Sewing Machine Co., Chicago, Ill.
yson (C. M.) Co., Cleveland, O.
ley & Williams Mfg. & Sup. Co., Chicago, Ill.

EPAIRS, Stove

lams Co., Dubuque, Ia.
rora Stove Repair Parts Co., Aurora, Ill. "Acorn"
ondale Stove & Fdry. Co., Birmingham, Ala.
auer (A. G.) Supply Co., St. Louis, Mo.
uckner, Michael, Chicago, Ill
ntral Stove & Furnace Repair Co., Chicago, Ill.
rk (Henry N.) Co., Boston, Mass.
s Moines Stove Repair Co., Des Moines, Ia.
aham (Jas.) Mfg. Co., San Francisco, Cal.
essler (H. E.) Co., Syracuse, N. Y.
wes (S M.) Co, Boston, Mass.
amer Bros. Fdry. Co., Dayton, O.
rcy Stove Repair Co., 74 Beekman, New York, N. Y.
rthwestern Stove Co., Chicago, Ill.
ove Repair Corp., 226 Water, New York, N. Y.
S. Stove Repair Co., Minneapolis, Minn.

EPELLENTS, Fly

bey & Imbrie, Utica, N. Y. "No-Touch-Em"
en (H. E.) Mfg. Co., Carthage, N. Y. "So-Bos-So Kilfly"
trol Laboratories, Inc., Los Angeles, Cal.
lantic Pharmacal Co., Boston, Mass. "Apco," "Fly Killer"
yer Chemical Laboratory Co., Chicago, Ill.
rbola Chemical Co., Natural Bridge, N. Y. "C. C. C."
rpenter (W. D.) Co., Syracuse, N. Y.
rpenter Morton Co., Boston, Mass. "Cow Ease"
amberlain-Haber Chemical Co., Cleveland, O. "Presto"
an Home Products Corp., Chicago, Ill. "Wing"
nkey (G. E.) & Co., Cleveland, O.
eam City Chemical Wks., Milwaukee, Wis.
emoline Co., Inc., St. Louis, Mo.
oz Chemical Co., hicago, Ill.
reka Mower Co., Utica, N. Y. "Will-Kill-Flies"
neral Laboratories, Inc., Madison, Wis. "Indor," B-K Knox-Out"
rmo Mfg. Co., St. Louis, Mo.
bs (W. A.) & Son, Chester, Pa. "Gibsco"
ller (B.) & Co., Chicago, Ill.
s & Clark, Ashland, O.
witt Laboratories, Inc., 110 W. 42nd, New York, N. Y. "Jungle Fly"
ernational Metal Polish Co., Indianapolis, Ind. "Blue Ribbon"
nieson (C. E.) & Co., Detroit, Mich. "Fly-Ex"
-Tone Chemical Co., Vineland, N. J.
er Mfg. Co., Olean, N. Y. "Cow Comfort"
tle Brown Jug, Inc., Reading, Pa. "Fly Hootch"
rray (Edgar A.) Co., Detroit, Mich. "Doom"
rnolds (Jas. T.) & Son, Lapeer, Mich "Lac-A-ly"
erwin-Williams Co., Cleveland, O.
nco, Inc., 2 Park Av., New York, N. Y. "Flit"
ndard Tar Products Co., Milwaukee, Wis. "Rid-o-Pest," "Usol"
erior Laboratories, Grand Rapids, Mich "Mis-alyse"
nglefoot Co., Grand Rapids, Mich.
edo Rex Spray Co., Toledo, O. "Flytox"
st Disinfecting Co., 16 Barn, Long Island City, N. Y. "Fly-Bane"
lis (L. R.) Sanitary Products Co., Lincoln, Neb.
ner Products Co., Detroit, Mich.

PELLENTS, Mosquito—See Repellents, Fly

SERVE TANKS—See Tanks, Emergency or Reserve

RESIDENCE ELECTRIC ELEVATORS—See Elevators, Residence, Electric

RESIDENCE INDIVIDUAL ELEVATORS—See Elevators, Residence, Individual

RESTAURANT KITCHEN SUPPLIES—See Supplies, Kitchen, Hotel and Restaurant

RESTAURANT STOVES and RANGES—See Stoves and Ranges, Hotel and Restaurant

RESTS, Foot

Attwood Brass Wks, Grand Rapids, Mich.
Fate-Root-Heath Co., 1333 High, Plymouth, O.
Grey Iron Casting Co., Mt. Joy, Pa.
Wrightsville Hdw. Co., Wrightsville, Pa.

RESTS, Shelf

(See also Supports, Shelf; also Brackets, Shelf)

Corbin, P. & F., New Britain, Conn.
Knape & Vogt Mfg. Co., Grand Rapids, Mich. "Samson," "Victor"
Penn Hdw. Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn. "Russwin"
Sargent & Co., New Haven, Conn.
Yale & Towne Mfg. Co., Stamford, Conn.

REVOLVER CARTRIDGES—See Cartridges, Rifle, Pistol, Etc.

REVOLVER CLEANERS—See Cleaners, Pistol

REVOLVER SIGHTS—See Sights, Firearms

REVOLVERS

(See also Pistols)

Colt's Patent Fire Arms Mfg. Co., Hartford, Conn.
Harrington & Richardson Arms Co., Worcester, Mass. "Expert," "Handy Gun," "Hi-Grip" "Sportsman"
Johnson's (Iver) Arms & Cycle Wks., Fitchburg, Mass. "Hammer the Hammer," "I. J. Target," ".22 Supershot," "U. S."
Remington Arms Co., Inc., Bridgeport, Conn. (Double Derringer)
Savage Arms Corp., Utica, N. Y.
Sedgley (R. F.), Inc., Phila., Pa. "Baby"
Smith & Wesson, Springfield, Mass.

REVOLVING CHIMNEY TOPS—See Tops, Chimney, Revolving

REVOLVING DISPLAY FIXTURES—See Fixtures, Display Hardware

REVOLVING PUNCHES—See Punches, Revolving

REVOLVING ROOF VENTILATORS—See Ventilators, Roof, Revolving

REVOLVING TURF EDGERS—See Edgers, Revolving Turf

RICE BOILERS—See Boilers, Rice

RICE MILLS—See Mills, Corn and Rice

RICERS, Potato—See Mashers, Potato

RIDDLES—See Sieves, Ash

RIDGE ROLL—See Rolls, Ridge

RIDGING, Plain and Ornamental—See Rolls, Ridge

RIDING SADDLE PADS—See Pads, Riding Saddle

RIFLE BRUSHES—See Brushes, Firearms

RIFLE CARTRIDGES—See Cartridges, Rifle

RIFLE CASES—See Cases, Gun

RIFLE CLEANING RODS—See Rods, Cleaning, Gun and Rifle

RIFLE COVERS—See Cases, Gun

RIFLE GREASES—See Greases, Rifle, Shot Gun, Etc.

RIFLE SIGHTS—See Sights, Firearms

RIFLE SILENCERS—See Silencers, Gun

RIFLE TARGETS—See Targets, Rifle

RIFLE TELESCOPES—See Telescopes, Rifle

RIFLES

(See also Guns, Shot)

Auto-Ordnance Corp., 56 Pine, New York, N. Y.
Baker Gun Co., Norwich, Conn.
Browning Arms Co., St. Louis, Mo. (Machine)
Colt's Patent Fire Arms Mfg. Co., Hartford, Conn. "Bene-Mereier"
Hamilton (C. J.) & Son, Plymouth, Mich.
Hunter Arms Co., Inc., Fulton, N. Y. "L. C. Smith"
Ithaca Gun Co., Ithaca, N. Y.
Johnson's (Iver) Arms & Cycle Wks., Fitchburg, Mass.
Marble Arms & Mfg. Co., Gladstone, Mich.
Marlin Firearms Co., New Haven, Conn.
Remington Arms Company, Inc., Bridgeport, Conn.
Savage Arms Corp., Utica, N. Y. "Lewis," "Super-Sporter"
Sedgley, R. F., Phila., Pa. "Springfield"
Stevens (J.) Arms Co., Chicopee Falls, Mass. "Springfield"
Winchester Repeating Arms Co., New Haven, Conn.

RIFLES, Air

Benjamin Air Rifle & Mfg. Co., St. Louis, Mo.
Crosman Arms Co., Inc., Rochester, N. Y. (High Power)
Daisy Mfg. Co., Plymouth, Mich.
Quackenbush (H. M.), Herkimer, N. Y.
Remington Arms Company, Inc., Bridgeport, Conn.

RIGS, Saw, Portable

(See also Woodworking Machinery)

American Saw Mill Machy. Co., Hackettstown, N. J.
C. H. & E. Mfg. Co., Milwaukee, Wis.
Fairbanks, Morse & Co., Chicago, Ill.
Ireland Mach. & Foundry Co., Norwich, N. Y.
Leach Co., Oshkosh, Wis. "Oshkosh"
Novo Engine Co., Lansing, Mich.
Parks Ball Bearing Mach. Co., Cincinnati, O.
Stover Mfg. & Engine Co., Freeport, Ill.
Termaat-Monahan Mfg. Co., Oshkosh, Wis.
United Engine Co., Lansing, Mich.
Wallace (J. D.) & Co., Chicago, Ill.
Witte Engine Wks., Kansas City, Mo.
Worthington Pump & Machy. Corp., 115 B'way, New York, N. Y.

RIM LOCKS—See Locks, Mortise and Rim

RIM WRENCHES—See Wrenches, Automobile

RING AUGERS—See Augers, Ring

RING BOLTS—See Bolts, Ring

RINGS, Brass

American Ring Co., Waterbury, Conn.
Jenkinson (R. C.) & Co., 289 Washington, Newark, N. J.
Schlangen Mfg. Co., Chicago, Ill.
Turner & Seymour Mfg. Co., Torrington, Conn.
Turner & Stanton Co., Norwich, Conn.
Waterbury Button Corp., Waterbury, Conn.

RINGS, Bridle—See Harness and Saddlery, Hardware

RINGS, Flush, Drawer, Etc.

Detroit Hdw. Mfg. Co., Detroit, Mich.
Ludwig (A.) & Co., 75 Spring, New York, N. Y.
National Brass Co., Grand Rapids, Mich.
Sargent & Co., New Haven, Conn.
Stanley Wks., New Britain, Conn.
Stover Mfg. & Engine Co., Freeport, Ill.

RINGS, Fruit Jar—See Rubbers, Fruit Jar

RINGS, Hog

Chambers Bering-Quinlan Co., Decatur, Ill.
Decker Mfg. Co., Keokuk, Ia. "Blair," "Hill," "Fish-hook," "Never Root"
Heesen Bros. Co., Tecumseh, Mich.
Pratt (Wm. E.) Mfg. Co., Chicago, Ill.
Rugg (E. T.) & Co., Newark, O.
Smith (F. P.) & Co., Sharon Hill, Pa.
Stewart Hog Ring Co., Paris, Ill. "Blair," "Hill," "Fish Hook"
Weber-Kirch Mfg. Co., Keokuk, Ia.

RINGS, Iron and Steel

American Chain Co., Inc., Bridgeport, Conn.
Eberhard Mfg. Co., 2790 Tennyson Rd., Cleveland, O.
Hess (Chas.) Co., 49-14 Metropolitan Av., Bklyn., N. Y.
Malleable Iron Fittings Co., Branford, Conn.
Midland Co., S. Milwaukee, Wis.
Parker Wire Goods Co., Worcester, Mass.
Wilcox, Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.

RINGS, Jar—See Rubbers, Fruit Jar

RINGS, Key

Adams (Henry) Mfg. Co., Chicago, Ill.
American Chain Co., Inc., Bridgeport, Conn.
Boettiger (Louis A.) & Co., 48 Leonard, New York, N. Y.
Bridgeport Chain & Mfg. Co., Bridgeport, Conn. "Brown," "Triumph"
Buxton, Inc., Springfield, Mass. "Keytainer" (Key Kase)
Chain Products Co., 3290 Cooper Av., Cleveland, O.
Ferree (E. H.) Co., Lockport, N. Y.

RINGS, Key (Continued)

Independent Lock Co., Fitchburg, Mass. "Ilco"
Individual Key Ring Co., Hartford, Conn.
Morden Mfg. Corp., Waterbury, Conn. "Perfect"
Parker Wire Goods Co., Worcester, Mass.
Polhemus (L. E.) Co., Miami, Ariz. "Polly"
Premax Products, Inc., Niagara Falls, N. Y.
Snow & Petrelli Mfg. Co., New Haven, Conn.
Sommer (J. L.) Mfg. Co., 251 New Jersey Railroad Av., Newark, N. J.
Southern Saddlery Co., Chattanooga, Tenn.
Special Hdw. Corp., Medford, N. Y.
Urich (B.) Co., Milwaukee, Wis.
Vaughan Novelty Mfg. Co., Chicago, Ill.
Waterbury Button & Mfg. Co., Waterbury, Conn.
Williamson (C. T.) Wire Novelty Co., 53 Badger Av., Newark, N. J.

RINGS, Napkin

Bogert & Hopper, 223 Varick, New York, N. Y.
Celluloid Corp., 115 B'way, New York, N. Y.
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y. (Wood)
Fargo Aluminum Co., Taunton, Mass.

RINGS, Nose, Bull

Decker Mfg. Co., Keokuk, Ia. "New Idea"
Landers, Frary & Clark, New Britain, Conn.
North & Judd Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.
Smith (Seymour) & Son, Inc., Oakville, Conn. "Giant," "Self-Piercing," "Standard," "Toros Bronze"
Wagner Specialty Co., Burlington, Wis. "Piercezy"

RINGS, Pole, Curtain and Drapery

American Ring Co., Dept. W., Waterbury, Conn.
Beardsley & Wolcott Mfg. Co., Waterville, Conn.
Bogert & Hopper, 223 Varick, New York, N. Y.
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Hobbs Mfg. Co., Worcester, Mass.
Judd (H. L.) Co., 87 Chambers, New York, N. Y.
Kirsch Co., Sturgis, Mich.
Parker Wire Goods Co., Worcester, Mass.
Rowe (Henry) Mfg. Co., Newaygo, Mich.
Stevenson Mfg. Co., South Bend, Ind.
Stiles (H. A.) & Co., Boston, Mass.
Turner & Seymour Mfg. Co., Torrington, Conn.

RINGS and STAPLES

Hess (Chas.) Co., 49-14 Metropolitan Av., Bklyn., N. Y.

RINGS, Trap Door

Hess (Chas.) Co., 49-14 Metropolitan Av., Bklyn., N. Y.
Sargent & Co., New Haven, Conn.
Stover Mfg. & Engine Co., Freeport, Ill.

RINGERS, Hog—See Forceps, Pig

RINSING TUBS—See Tubs, Rinsing

RIP SAWS—See Saws, Rip

RIPPERS, Slaters' and Shingle—See Tools, Roofing

RIVET CLIPPERS—See Clippers, Bolt and Rivet

RIVET SETS—See Sets, Rivet

RIVET SQUEEZERS—See Squeezers, Rivet

RIVET TONGS—See Tongs, Rivet

RIVETING HAMMERS—See Hammers, Riveting

RIVETING MACHINES

Berger Device Mfg. Co., Inc., Chicago, Ill.
Fate-Root-Heath Co., 1333 High, Plymouth, O.
Manufacturers' Belt Hook Co., Chicago, Ill. "Gem"
Monroe-Witt Mfg. Co., N. Chicago, Ill. "Gem," "Monarch"
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Smith (F. H.) Mfg. Co., Chicago, Ill. "Best Yet," "Pony," "Rex," "Victor"
Star Heel Plate Co., Louis Sacks, Inc., 357 Wilson Av., Newark, N. J. "Clincher"
Stearns (E. C.) & Co., Syracuse, N. Y. "Stearns Ecsco"
Thomson (J. L.) Mfg. Co., Waltham, Mass.
Williams (A. C.) Co., Ravenna, O. "Little Giant"

RIVETS—See also Burrs

RIVETS, Belt

Champion Brass Wks., Kendallville, Ind. (Copper)
Chase Brass & Copper Co., Waterbury, Conn.
Manufacturers' Belt Hook Co., Chicago, Ill.
Townsend Co., New Brighton, Pa.

RIVETS, BIFURCATED—See Rivets, Tubular and Clinch

RIVETS, BOILER

Atlas Bolt & Screw Co., Cleveland, O.
Ballard Drop Forge Co., Seattle, Wash.
Oliver Iron & Steel Corp., Pittsburgh, Pa.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Townsend Co., New Brighton, Pa.

RIVETS, Brake Band

Atlas Tack Corp., Fairhaven, Mass.
Champion Brass Wks., Kendallville, Ind. (Copper)
Chase Brass & Copper Co., Waterbury, Conn.
Manufacturers' Belt Hook Co., Chicago, Ill.
Thomson (Judson L.) Mfg. Co., Waltham, Mass.

RIVETS, Brass and Copper

American Brass Co., Waterbury, Conn. "Anaconda"
Atlas Bolt & Screw Co., Cleveland, O.
Atlas Tack Corp., Fairhaven, Mass.
Blake & Johnson Co., Waterbury, Conn.
Champion Brass Wks., Kendallville, Ind.
Chase Brass & Copper Co., Waterbury, Conn.
Clendenin Bros., Inc., Baltimore, Md.
General Mfg. Co., Waterbury, Conn.
Hassall (John), Inc., 402 Oakland, Bklyn., N. Y.
Holland Mfg. Co., Baltimore, Md. "Superior"
Hussey (C. G.) & Co., Pittsburgh, Pa.
Lamson & Sessions Co., Cleveland, O.
Manufacturers' Belt Hook Co., Chicago, Ill.
Milwaukee Tack Co., Milwaukee, Wis.
National Rivet & Mfg. Co., Milwaukee, Wis.
National Screw & Mfg. Co., Cleveland, O.
Penn Tack Co., Norristown, Pa.
Pheoll Mfg. Co., Chicago, Ill.
Plume & Atwood Mfg. Co., Waterbury, Conn. "Eagle"
Progressive Mfg. Co., Torrington, Conn.
Raybestos Co., Bridgeport, Conn.
Reed & Prince Mfg. Co., Worcester, Mass.
Revere Copper & Brass, Inc., 230 Park Av., New York, N. Y.
Shelton Tack Co., Shelton, Conn.
Steele & Johnson Mfg. Co., Waterbury, Conn.
Stimpson (E. B.) Co., 68 Franklin Av., Bklyn., N. Y.
Thomson (Judson L.) Mfg. Co., Waltham, Mass.
Townsend Co., New Brighton, Pa.
Tubular Rivet & Stud Co., Boston, Mass.
Waterbury Brass Goods Corp., Waterbury, Conn.
Waterbury Mfg. Co., Waterbury, Conn.
York Tack & Nail Wks., York, Pa.

RIVETS, Clinch—See Rivets, Tubular and Clinch

RIVETS, Coopers'

Atlas Bolt & Screw Co., Cleveland, O.
Townsend Co., New Brighton, Pa.

RIVETS, Copper—See Rivets, Brass and Copper

RIVETS, Galvanized

Atlas Bolt & Screw Co., Cleveland, O.
Hassall (John), Inc., 402 Oakland, Bklyn., N. Y.
Rockford Bolt Co., Rockford, Ill.
Stimpson (Edwin B.) Co., 68 Franklin Av., Bklyn., N. Y.
Townsend Co., New Brighton, Pa.
Tubular Rivet & Stud Co., Boston, Mass.
Wilson Steel Products Co., Chicago, Ill.

RIVETS, Iron—See Burrs and Rivets, Iron

RIVETS, Iron and Steel

American Equipment Co., Norristown, Pa.
Atlas Bolt & Screw Co., Cleveland, O.
Atlas Tack Corp., Fairhaven, Mass.
Ballard Drop Forge Co., Seattle, Wash.
Bethlehem Steel Co., Bethlehem, Pa.
Blake & Johnson Co., Waterbury, Conn.
Boss Bolt & Nut Co., Chicago, Ill.
Bridgeport Screw Co., Bridgeport, Conn.
Buffalo Bolt Co., N. Tonawanda, N. Y.
Burden Iron Co., Troy, N. Y.
Champion Rivet Co., Cleveland, O. "Victor"
Clark Bros. Bolt Co., Noble Rd., Milldale, Conn
Columbia Steel Co., San Francisco, Cal.
Columbus Bolt Wks. Co., Columbus, O.
Garland Mfg. Co., Pittsburgh, Pa.
Gary Screw & Bolt Co., Chicago, Ill.
General Mfg. Co., Waterbury, Conn.
Hassall (John), Inc., 402 Oakland, Bklyn., N. Y.
Lamson & Sessions Co., Cleveland, O.
Manufacturers' Belt Hook Co., Chicago, Ill. (Steel)
Manufacturers Iron & Steel Co., New Brunswick, N. J.
National Screw & Tack Co., Cleveland, O.
Neely Nut Bolt Co., Pittsburgh, Pa. "Nubolt"
Nelson Rivet Co., Taunton, Mass.
Oliver Iron & Steel Co., Pittsburgh, Pa.
Penn Tack Co., Norristown, Pa.
Pittsburgh Screw & Bolt Co., Pittsburgh, Pa.
Plymouth Mills, Plymouth, Mass.
Progressive Mfg. Co., Torrington, Conn.
Reed & Prince Mfg. Co., Worcester, Mass.
Republic Steel Corp., Upson Nut Div., Cleveland, O. "Upson"
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y. "Empire"
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Scovill Mfg. Co., Waterbury, Conn.
Southern California Iron & Steel Co., Los Angeles, Cal.
Stimpson (Edwin B.) Co., 68 Franklin Av., Bklyn., N. Y.
Thomson (Judson L.) Mfg. Co., Waltham, Mass.
Tower Mfg. Co., Madison, Ind.
Townsend Co., New Brighton, Pa.
Tubular Rivet & Stud Co., Boston, Mass.
Upham (V. B.) & Bro., 30 Hudson Av., Bklyn., N. Y.

RIVETS, Monel

Atlas Bolt & Screw Co., Cleveland, O.
Stimpson (Edwin B.) Co., 68 Franklin Av., Bklyn., N. Y.

RIVETS, Shovel

Atlas Bolt & Screw Co., Cleveland, O.
Townsend Co., New Brighton, Pa.

RIVETS, SPLIT—See Rivets, Tubular and Clinch

RIVETS, Steel—See Rivets, Iron and Steel

RIVETS, Stove

Atlas Bolt & Screw Co., Cleveland, O.
Berry Bros., Columbus, O.
Lamson & Sessions Co., Cleveland, O.
Ohio Nut & Bolt Co., Berea, O.
Reading Screw Co., Norristown, Pa.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y. "Empire"
Townsend Co., New Brighton, Pa.

RIVETS, Structural

Atlas Bolt & Screw Co., Cleveland, O.
Ballard Drop Forge Co., Seattle, Wash.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Townsend Co., New Brighton, Pa.

RIVETS, Tank

Atlas Bolt & Screw Co., Cleveland, O.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Townsend Co., New Brighton, Pa.

RIVETS, Tinners'

Atlantic Steel Co., Atlanta, Ga. "Dixisteel"
Atlas Bolt & Screw Co., Cleveland, O.
Atlas Tack Corp., Fairhaven, Mass.
Berry Bros., Columbus, O.
Bridgeport Screw Co., Bridgeport, Conn.
Gem Stamped Steel Co., Chelsea, Mass.
Hassall (John), Inc., 402 Oakland, Bklyn., N. Y.
Lamson & Sessions Co., Cleveland, O.
Merchant & Evans Co., Phila., Pa.
Milwaukee Tack Co., Milwaukee, Wis.
National Screw & Tack Co., Cleveland, O.
Nelson Rivet Co., Taunton, Mass.
Ohio Nut & Bolt Co., Berea, O.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Reading Screw Co., Norristown, Pa.
Reed & Prince Mfg. Co., Worcester, Mass.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y. "Empire"
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Savory, Inc., 591 Ferry, Newark, N. J.
Stanley (Geo. W.) Co., Belleville, Ill.
Taunton Rivet Wks., Taunton, Mass.
Tower Mfg. Co., Cincinnati, O.
Townsend Co., New Brighton, Pa.
Tubular Rivet & Stud Co., Boston, Mass.
United Screw & Bolt Corp., Cleveland, O.
Upham (V. B.) & Bro., 30 Hudson Av., Bklyn., N. Y.
Wilson Steel Products Co., Chicago, Ill.

RIVETS, Tubular and Clinch

Continental Screw Co., New Bedford, Mass. "Holtite" (Tubular)
Holland Mfg. Co., Baltimore, Md. "Superior"
Manufacturers' Belt Hook Co., Chicago, Ill. (Tubular)
Penn. Rivet Co., Phila., Pa.
Penn Tack Co., Norristown, Pa.
Shelton Tack Co., Shelton, Conn.
Stimpson (Edwin B.) Co., 70 Franklin Av., B'klyn, N. Y.
Thomson (Judson L.) Mfg. Co., Waltham, Mass.
Tubular Rivet & Stud Co., Boston, Mass.

RIVETED PIPE—See Pipe, Riveted

ROACH POWDER—See Powder, Roach

ROAD DRAGS—See Scrapers, Drag

ROAD SCRAPERS—See Scrapers, Drag

ROASTERS

Aluminum Cooking Utensil Co., New Kensington, Pa. "Wear-Ever"
Aluminum Goods Mfg. Co., Manitowoc, Wis. "Vapo-Seal"

ROASTERS (Continued)

American Aluminum Mfg. Co., Lemont, Ill. "American Maid"
Behrens (H.) Mfg. Co., Winona, Minn.
Bellaire Enamel Co., Bellaire, O. "White House"
Bremer Aluminum Corp., Chicago, Ill. "Dr. Koch"
Columbian Enameling & Stamping Co., Terre Haute, Ind. "Blue," "Cesco," "Onyx," "Royal Blue"
Crescent Foundry Co., St. Louis, Mo. "Ozark"
Deer (A. J.) Co., Hornell, N. Y. "Royal" (Coffee)
Doylestown Aluminum Ware Co., Doylestown, O.
Fargo Aluminum Co., Taunton, Mass.
Federal Enameling & Stamping Co., McKees Rocks, Pa.
Fry (H. C.) Glass Co., Rochester, Pa.
Geuder, Paeschke & Frey Co., St. Paul, Minn. "Juicy Krisp," "Standard"
Griswold Mfg. Co., Erie, Pa. "Tite-Top"
Health-Maid, Inc., Cleveland, O.
Hodges (Wm.) Co., Phila., Pa.
Illinois Pure Aluminum Co., Lemont, Ill. "American Maid"
Katzinger (Edward) Co., Chicago, Ill. "Black Beauty"
Kewaskum Aluminum Co., Kewaskum, Wis.
Lisk Mfg. Co., Canandaigua, N. Y.
National Enameling & Stamping Co., Milwaukee, Wis. "Nesco"
National Pressure Cooker Co., Eau Claire, Wis.
Polar Ware Mfg. Co., Sheboygan, Wis.
Royal Mfg. Co., Phila., Pa.
Savory, Inc., 591 Ferry, Newark, N. J.
Swartzbaugh Mfg. Co., Toledo, O. "Ideal"
Transue & Williams Steel Forging Corp., Alliance, O. "Nirosta" (Stainless Steel)
United States Stamping Co., Moundsville, W. Va.
Vollrath Co., Sheboygan, Wis.
Wagner Mfg. Co., Sidney, O. "Drip-Drop"
West Bend Aluminum Co., West Bend, Wis.
Wheeling Corrugating Co., Wheeling, W. Va. "Crescent," "Oval Oak"

ROASTING OVENS—See Ovens, Baking, Portable

ROBE LOCKS—See Locks, Robe

ROCKING CHAIRS, Children's—See Chairs, Children's

ROCKING HORSES—See Horses, Hobby, Rocking

ROD CASES—See Cases, Rod

ROD CEMENT, Fishing—See Cement, Rod, Fishing

ROD COVERS—See Cases, Rod

ROD CUTTERS—See Cutters, Rod, Wire and Bar

ROD FIBRE—See Fibre Sheet, Rod, etc.

ROD SOCKETS—See Sockets, Pole and Rod

ROD UNITS—See Elements, Electric Heating

RODS, Barrel Gaging and Wantage

Lufkin Rule Co., Saginaw, Mich.

RODS, Cleaning, Gun and Rifle

(See also Brushes, Firearms; also Cleaners, Gun)

Conversion Products Co., Phila., Pa.
Faries Mfg. Co., Decatur, Ill. "Power"
Handy Things Co., Ludington, Mich.
Hartigan, W. R., Collinsville, Conn.
Johnson's (Iver) Arms & Cycle Wks., Fitchburg, Mass.
King Mfg. Co., 263 Sussex Av., Newark, N. J.
Marble Arms & Mfg. Co., Gladstone, Mich.
Parker Wire Goods Co., Worcester, Mass.
Perfection Mfg. Co., St. Louis, Mo.
Reversible Tube Cleaner Co., Worcester, Mass.
Rupert, G. G., Decatur, Ill.
Savage Arms Corp., Utica, N. Y.
Stevens (J.) Arms Co., Chicopee Falls, Mass.
Union Hdw. Co., Torrington, Conn.
Winchester Repeating Arms Co., New Haven, Conn.

RODS, Clothes Closet Extension

Garden City Plating & Mfg. Co., Chicago, Ill. "Garcy"
Imperial Bit & Snap Co., Racine, Wis. "Imperial"
Knape-Vogt Mfg. Co., Grand Rapids, Mich. "K-Venience"
McDowell Mfg. Co., Pittsburgh, Pa. "Ready-Fit"
Stanley Wks., New Britain, Conn.
Washburn Company, Worcester, Mass. "Porter"

RODS, Curtain

Barrett (Wm. C.) & Co., Chicago, Ill.
Beardsley & Wolcott Mfg. Co., Waterville, Conn. "Acme," "Golden Rod," "Laun"
Durkee Mfg. Co., Youngstown, O.
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Gould-Mesereau Co., 189 Lexington Av., New York, N. Y.
Henry (C. P.) Novelty Co., Providence, R. I.
Jamestown Curtain Rod Co., Jamestown, N. Y. "Anchor," "Perfect"
Johnson-Claflin, Inc., Marlboro, Mass. "Marlboro"
Judd (H. L.) Co., 87 Chambers, New York, N. Y. "Bluebird"
Kersten Co., Inc., Chicago, Ill.
Keystone Brass & Rubber Co., Phila., Pa.
Kirsch Co., Sturgis, Mich. "Gold Seal," "Pioneer"
Newell Mfg. Co., Ogdensburg, N. Y. "Newlco"
Painesville Metallic Binding Co., Painesville, O.
Richards (Benj.) & Co., Winsted, Conn.
Saltenberger (Chas.), Paterson, N. J. "Probst"
Stewart Iron Wks. Co., Inc., 814 Stewart Block, Cincinnati, O.
Turner & Seymour Mfg. Co., Torrington, Conn.
Venus Spec. Co., 526 17th, B'klyn, N. Y. (Spring)
Washburn Company, Worcester, Mass.
Western Newell Mfg. Co., Freeport, Ill.
Winsted Hdw. Mfg. Co., Winsted, Conn.
Youngstown Mfg. Co., Youngstown, O. "Superior"

RODS, Curtain, Sash

Fair Novelty Mfg. Co., 10 E. 14th, New York, N. Y. "Uneek"
Jamestown Curtain Rod Co., Jamestown, N. Y. "Perfect"
Johnson-Claflin, Inc., Marlboro, Mass. "Marlboro"
Newell Mfg. Co., Ogdensburg, N. Y. "Newlco"
Res Mfg. Co., Milwaukee, Wis.
Turner & Seymour Mfg. Co., Torrington, Conn.
Washburn Company, Worcester, Mass.
Western Newell Mfg. Co., Freeport, Ill.
Wickwire Spencer Steel Co., Inc., 41 E. 42d, New York, N. Y. "Fowler"
Winsted Hdw. Mfg. Co., Winsted, Conn.
Youngstown Mfg. Co., Youngstown, O. "Superior"

RODS, Dowel, Wooden

Despres Dowel Mfg. Co., Grand Rapids, Mich.
Rowe (Henry) Mfg. Co., Newaygo, Mich.

RODS, Filler—See Rods, Welding

RODS, Fishing

(See also Poles, Bamboo)

Abbey & Imbrie, Utica, N. Y.
Air-Fed Mfg. & Stamping Co., Inc., Quincy, Ill.
American Fork & Hoe Co., Cleveland, O. "Challenge," "Oxford," "True Temper" (Steel)
Bogert & Hopper, 223 Varick, New York, N. Y.
Chubb (T. H.) Rod Co., Post Mills, Vt.
Divine (F. D.) Co., Utica, N. Y. "Gloriwest," "Rainbow," "Rover," "Stanley"
Enterprise Mfg. Co., Dept. HA, Akron, O. "Goodyear," "Flexo," "King-Bee," "Rocky River," "Official," "Saltaire," "Silver Lake," "Security," "Stanby," "Twin Ocean"
Eppinger, Lou J., Detroit, Mich. (Steel) "Eppinger," "Notangle," "Osprey"
Gephart Mfg. Co., Inc., Chicago, Ill.
Hall Rod Wks., Highland Mills, N. Y.
Heddon's (James) Sons, Dowagiac, Mich.
Hildebrandt (J. J.) Co., Logansport, Ind.
Hoag (M. E.) Fly & Tackle Co., Los Angeles, Cal.
Hoar, E. T., Rangely, Me.
Horrocks-Ibbotson Co., Dept. S., Utica, N. Y. "Defiance," "Hexi-Super-Cane," "Mohawk," "Utica"
Horton Mfg. Co., Bristol, Conn. "Bristol"
Hunter (J. B.) & Co., Boston, Mass.
Kewell (Chas. H.) Co., San Francisco, Cal.
Mills (Wm.) & Sons, 21 Park Pl., New York, N. Y. "Leonard"
Montague Rod & Reel Co., Montague City, Mass. "Brownie," "Campbell River," "Clipper," "Comet," "Cruiser," "Fishkill," "Flash," "Flipline," "Manitou," "Offshore," "Rapidan," "Red Wing," "Senate," "Splitswitch," "Sunbeam," "Trail"
New Century Rod & Bait Co., Holland, Mich.
Orvis (C. F.) Co., Manchester, Vt.
Paw Paw Bait Co., Paw Paw, Mich.
Richardson Rod & Reel Co., Chicago, Ill. "All-Star," "Brookside," "Champion"
Shakespeare Co., Kalamazoo, Mich.
South Bend Bait Co., South Bend, Ind. "Cross"
Tallett, W. H., Watertown, N. Y.
Thomas Rod Co., Bangor, Me.
Tooley, L. J., Detroit, Mich.
Union Hdw. Co., Torrington, Conn. "Sunnybrook," "Union," "Vim"
Whaling (G. E.) & Son Co., Cleveland, O.
Winchester Repeating Arms Co., New Haven, Conn.

RODS, Lightning

Barnett (Jos.) & Co., Inc., Cedar Rapids, Ia.
Boston Lightning Rod Co., Boston, Mass.
Burkett Lightning Rod Co., Fremont, O.
Dallas Brass & Copper Co., Chicago, Ill.
Diddie (L. F.) Co., Marshfield, Wis. "All Supreme," "Blitzen," "Universal"
Dodd & Struthers, St. Louis, Mo.
Dooley Lightning Rod Co., Topeka, Kan.
Electra Mfg. Co., Chicago, Ill.
Goshen Lightning Rod Co., Goshen, Ind.
Hawkeye Lightning Rod Co., Cedar Rapids, Ia.
Hollow Cable Mfg. Co., Hornell, N. Y.
Hum & Leatherman, Pittsburgh, Pa.
Jones, Harold K., 153 Maiden Lane, New York, N. Y.
Mangold Lightning Rod Co., Brighton, Ia.
Mast Lightning Rod Co., Dayton, O.
Miller Lightning Rod Co., St. Louis, Mo.
Moore Bros. Lightning Rod Co., Marysville, Mo.
Owen, J. D. & E. G., Janesville, Wis.
Reyburn-Hunter-Foy Co., Cincinnati, O.
St. Louis Lightning Rod Co., St. Louis, Mo.
Security Lightning Rod Co., Burlington, Wis.
Toledo Cable Co., Toledo, O.

RODS, Stair

Beardsley & Wolcott Mfg. Co., Waterville, Conn.
Bogert & Hopper, 223 Varick, New York, N. Y.
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Judd (H. L.) Co., 87 Chambers, New York, N. Y.
Kroder (John) & Henry Reubel Co., 107 E. 17th, New York, N. Y.
Turner & Seymour Mfg. Co., Torrington, Conn.
Winsted Hdw. Mfg. Co., Winsted, Conn.

RODS, Stove and Chair

American Screw Co., Providence, R. I.
Continental Screw Co., New Bedford, Mass. "Holtite"
National Screw & Mfg. Co., Cleveland, O.
Pheoll Mfg. Co., Chicago, Ill.

RODS, TRANSOM—See Lifts, Transom

RODS, Welding

Air Reduction Sales Co., 60 E. 42d, New York, N. Y. "Airco-D.-B."
American Metal Products Co., Milwaukee, Wis.
American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
American Welding Co., St. Louis, Mo.
Atlas Foundry Co., Cleveland, O. "Free-Flo"
Atlas Foundry Co., Irvington, N. J.
Biermann-Everett Foundry Co., Irvington, N. J.
Challenge Mchy. Co., Grand Haven, Mich. (Cast Iron)
Chicago Steel & Wire Co., Chicago, Ill. "Weldite"
Federated Metals Corp., Newark, N. J.
Gulf States Steel Co., Birmingham, Ala.
Haynes Stellite Co., Kokomo, Ind.
Imperial Brass Mfg. Co., Chicago, Ill.
Indiana Steel & Wire Co., Muncie, Ind.
Lamson & Sessions Co., Cleveland, O.
Livermore, Homer F., Boston, Mass.
Modern Eng'g Co., St. Louis, Mo.
Mueller Brass Co., Port Huron, Mich.
Page Steel & Wire Co., Monessen, Pa.
Randolph-Clowes Co., Waterbury, Conn.
Revere Copper & Brass, Inc., 230 Park Av., New York, N. Y.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Trenton Smelting & Refining Co., Trenton, N. J.

ROLL PAPER CUTTERS—See Cutters, Paper, Roll

ROLLER CHIME TOYS—See Chimes, Roller, Toy

ROLLER MOWERS—See Mowers, Roller

ROLLER SKATE WHEELS—See Wheels, Roller Skate

ROLLER SKATES—See Skates, Roller

ROLLER WINDOW SCREENS—See Screens, Window, Roller

ROLLERS, Door, Car

American Logging Tool Co., Evart, Mich.
Dixie Logging Tool Co., Chattanooga, Tenn.

ROLLERS, Lawn, Hand

Buch Mfg. Co., Elizabethtown, Pa. "Keystone"
Donaldson Bros., Mt. Clemens, Mich.
Dunham Lawn Roller Co., 113 Chambers, New York, N. Y. "Water Weight"
Swett (A. L.) Iron Wks., Medina, N. Y.
Whitehurst(R. W.) Mfg. Corp., Norfolk, Va. "Boss"
Wilder-Strong Implement Co., Monroe, Mich. "Whirlwind"

ROLLERS, Lawn, Horse

Buch Mfg. Co., Elizabethtown, Pa. "Keystone"
Dunham Lawn Roller Co., 113 Chambers, New York, N. Y. "Water Weight"
Whitehurst(R. W.) Mfg. Corp., Norfolk, Va. "Boss"
Wilder-Strong Implement Co., Monroe, Mich. "Whirlwind"

ROLLERS, Sash

Corbin, P. & F., New Britain, Conn.
Keil (Francis) & Son, 401 E. 163d, New York, N. Y. (Ball Bearing)
Sargent & Co., New Haven, Conn.
Tru-Lite Mfg. Co., Bradford, Pa.

ROLLERS AND FIXTURES, Shade

Bailey & Weston, Boston, Mass.
Bowser (R. M.) & Son, Renfrew, Pa.
Columbia Mills, Inc., 225 5th Av., New York, N. Y.
Cowles (C.) & Co., New Haven, Conn.
Hartshorn (Stewart) Co. (Harrison) Newark, N. J.
Haviland Shade Roller Co., 108 E. 16th, New York, N. Y.
Kees (F. D.) Mfg. Co., Beatrice, Neb. (Fixtures only)
Rowe (Henry) Mfg. Co., Newaygo, Mich.
Saltenberger (Chas.), Paterson, N. J. "Probst"
Standard Shade Roller Co., Ogdensburg, N. Y.
Stover Mfg. & Engine Co., Freeport, Ill.
Vermont Shade Roller Co., Burlington, Vt.

ROLLERS, Sponge

Moore (Benj.) & Co., 511 Canal, New York, N. Y. "Vari-Tone"

ROLLERS, Stay, Barn Door

Allith-Prouty Co., Danville, Ill.
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O.

ROLLERS, Towel

Arcade Mfg. Co., Freeport, Ill.
Brown-Thomas Co., Syracuse, N. Y. "Handy Roll"
Cutters Mfg. Co., Everett, Boston, Mass.
Handy Things Mfg. Co., Ludington, Mich.
Herkimer Specialties Corp., Cold Brook, N. Y.
Hopkins (L.) Mfg. Co., N. Girard, Pa.

ROLLING LADDERS—See Ladders, Store

ROLLING PINS—See Pins, Rolling

ROLLS, Memorandum

Burgess Mfg. Co., Beaver Falls, Pa.
Patent Novelty Co., Inc., Fulton, Ill. "Mem-O-Rols"

ROLLS, Ridge, Roof

Badger Corrugating Co., La Crosse, Wis.
Berger Mfg. Co., Canton, O. "Berloy"
Braden Mfg. Co., Terre Haute, Ind.
Canton Art Metal Co., Canton, O.
Decatur Cornice & Roofing Co., Albany, Ala.
Dowman-Dozier Mfg. Co., Atlanta, Ga.
Gedge Bros. Iron Roofing Co., Anderson, Ind.
Globe Iron Roofing & Corrugating Co., Inc., Newport, Ky.
Holzer (R. G.), Est., New Orleans, La.
Kenneberg Roofing & Ceiling Co., Canton, O.
Klauer Mfg. Co., Dubuque, Ia.
Lupton's (David) Sons Co., Phila., Pa.
Lyon, Conklin & Co., Baltimore, Md.
Messenger & Parks Mfg. Co., Aurora, Ill.
Milcor Steel Co., Milwaukee, Wis.
New Orleans Roofing & Metal Co., New Orleans, La. "Nola"
Newport Rolling Mill Co., Newport, Ky.
Norcor Mfg. Co., Green Bay, Wis.
Northwest Metal Products, Inc., Seattle, Wash. "Norwesco"
Ohio Corrugating Co., Warren, O.
Orleans Steel Products Co., New Orleans, La.
Parkersburg Iron & Steel Co., Parkersburg, W. Va.
Purdy, W. A., Manchester, Vt.
Reeves Mfg. Co., Dover, O.
Republic Metalware Co., Buffalo, N. Y.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
St. Paul Corrugating Co., St. Paul, Minn.
Souther (E. E.) Iron Co., St. Louis, Mo.
Tiffin Art Metal Co., Tiffin, O.
Trumbull Steel Co., Warren, O.
Wheeling Corrugating Co., Wheeling, W. Va.
York Corrugating Co., York, Pa.

ROLLS, Tool—See Bags or Rolls, Tool

ROLLS, Wringer, Rubber

American Wringer Co., Woonsocket, R. I.
Duplicate Wringer Rolls & Washing Mach. Parts Co., Chicago, Ill.
Lovell Mfg. Co., Erie, Pa. "Anchor Brand"

ROOF BRACKETS—See Brackets, Roof

ROOF FLANGES—See Flanges, Roof

ROOF GUARDS—See Guards, Ice and Snow, Roof

ROOF PAINTS—See Paints, Roof

ROOF RIDGE ROLLS—See Rolls, Ridge, Roof

ROOF SADDLES—See Saddles, Roof

ROOF VENTILATORS—See Ventilators, Roof

ROOFERS' KNIVES—See Knives, Roofers'

ROOFERS' TOOLS and SUPPLIES—See article desired

ROOFING, Asbestos

Carey (Philip) Co., Cincinnati, O. "Careystone"
Chicago Asbestos Mfg. Co., Chicago, Ill.
Ehret Magnesia Mfg. Co., Phila., Pa.
Federal Asbestos Co., Milwaukee, Wis.
Flintkote Corp., Pershing Sq. Bldg., New York, N. Y.
Hirsch Roofing Compound Co., Phila., Pa.
Hoff (John D.) Asbestos Co., San Francisco, Cal. "Hofftite Plastic"
Johns-Manville, Inc., Madison Av. & 41st, New York, N. Y.
Keasby & Mattison Co., Ambler, Pa.
Mikesell Bros. Co., Chicago, Ill.
National Asbestos Mfg. Co., 163 Henderson, Jersey City, N. J.
Porter Iron Roofing & Corrugating Co., Cincinnati, O.
Rock Asbestos Roofing Co., Erie, Pa.
Scott Roofing & Mfg. Co., Cincinnati, O.
Thermoid Rubber Co., Trenton, N. J.
Watson (H. F.) Co., Erie, Pa.
Western Asbestos Magnesia Co., San Francisco, Cal.
Western Elaterite Roofing Co., Denver, Col. "Elaterite"

ROOFING, Asphalt

Amalgamated Roofing Co., Chicago, Ill. "In-Lade"
American Asphalt Roof Corp., Kansas City, Mo. "Old American"
Barber Asphalt Co., Phila., Pa. "Genasco"
Barrett Co., 40 Rector, New York, N. Y. "Anchor," "Black Diamond," "Crestal," "Diamond Point," "Everlastic," "Multi," "Octagonal," "Panamoid," "Paragon Point," "S. I. S.," "Tomahawk," "Vitex"
Beckman-Dawson Roofing Co., Chicago, Ill. "Winthrop"
Berger Mfg. Co., Canton, O. "Berloy"
Berkheimer (J. E.) Mfg. Co., Tacoma, Wash. "Homestead"
Bird & Son, Inc., East Walpole, Mass. "Neponset Paroid"
Bishopric Mfg. Co., Cincinnati, O.
Carpenter-Morton Co., Boston, Mass.
Certain-teed Products Corp., 100 E. 42nd, New York, N. Y.
Chatfield Mfg. Co., Div. of Flintkote Co., Cincinnati, O. "Paracote"
Cleveland-Akron Bag Co., Cleveland, O.
Elaborated Ready Roofing Co., Chicago, Ill.
Eureka Mower Co., Utica, N. Y.
Fairbanks, Morse & Co., Chicago, Ill. "Eclipse"
Flintkote Corp., Pershing Sq. Bldg., New York, N. Y.
Ford Roofing Products Co., Chicago, Ill.
Keystone Roofing Mfg. Co., York, Pa.
Lehon Co., Chicago, Ill. "Mule-Hide," "Roofrite"
Lewis (F. J.) Mfg. Co., Chicago, Ill.
McHenry-Millhouse Mfg. Co., South Bend, Ind. "Climax," "Durable," "Standard"
Mahon (R. C.) Co., Detroit, Mich.
National Roofing Co., Tonawanda, N. Y. "Safety," "Security"
Parafine Cos., San Francisco, Cal.
Patent Vulcanite Roofing Co., Chicago, Ill. "Vulcanite"
Pioneer Paper Co., Los Angeles, Cal. "Ready Rock"
Piper (J. A.) Roofing Co., Greenville, S. C.
Porter Iron Roofing & Corrugating Co., Cincinnati, O. "Porteroid"
Ruberoid Co., 95 Madison Av., New Lork, N. Y. "Genuine Ruberoid," "Starex," "Wigwam," "Zylex"
Rutland Fire Clay Co., Rutland, Vt.
Scott Roofing & Mfg. Co., Cincinnati, O. "Asteroid Siottco"
Sonneborn (L.) Sons, 88 Lexington Av., New York, N. Y. "Storm-Tight"
Stone & Tar Products Co., 97 S. 6th, Bklyn., N. Y.
Texas Co., 17 Battery Pl., New York, N. Y. "Texaco," "Texacoat," "Texalene," "Texawax," "Texene"
Trainer (C. W.) Mfg. Co., Boston, Mass.
Trinidad Asphalt Mfg. Co., St. Louis, Mo.
United Roofing & Mfg. Co., Phila., Pa. "Congo"
Usona Mfg. Co., Aurora, Ill. "Howard's"
Walters Mfg. Co., Fulton Bldg., Pittsburgh, Pa.
Western Elaterite Roofing Co., Denver, Col. "Elaterite"
Whitaker Paper Co., Cincinnati, O. "Raintyte"
White (A. H.) Co., New Orleans, La. "Phaltoid," "Shellene"

ROOFING CAPS—See Caps, Roofing

ROOFING CEMENT—See Cement, Roofing

ROOFING and SIDING, Metal

American Rolling Mill Co., Middletown, O. "Armco"
American Sheet & Tin Plate Co., Pittsburgh, Pa. "Apollo"
Ames (W. R.) Co., San Francisco, Cal.
Ashland Div., American Rolling Mill Co., Ashland, Ky.
Badger Corrugating Co., LaCrosse, Wis.
Beatrice Steel Tank Mfg. Co., Beatrice, Neb.
Berger Mfg. Co., Canton, O. "Berloy"
Braden Mfg. Co., Terre Haute, Ind.
Canonsburg Steel & Iron Wks., Canonsburg, Pa.
Cincinnati Sheet Metal & Roofing Co., Cincinnati, O. "Magnet," "P. A. T."
Cincinnati Stamping Co., Cincinnati, O.
Continental Steel Corp., Kokomo, Ind. "Aqua-Tite"
Cortright Metal Roofing Co., Phila., Pa.
Dickelman Mfg. Co., Forest, O.
Edwards Mfg. Co., Cincinnati, O. "Edmanco"
Eller Mfg. Co., Canton, O.
Falcon Steel Co., Niles, O.
Gedge Bros. Iron Roofing Co., Anderson, Ind.
Globe Iron Roofing & Corrugating Co., Newport, Ky.
Gulf States Steel Co., Birmingham, Ala. "Gulf Steel"
Hammond Sheet Metal Mfg. Co., St. Louis, Mo.
Hyndman Roofing Co., Cincinnati, O.
Inland Steel Co., Chicago, Ill.
International Steel & Iron Co., Evansville, Ind.
Klauer Mfg. Co., Dubuque, Ia.
LaCrosse Steel Roofing & Corrugating Co., LaCrosse, Wis.
Lupton's (David) Sons Co., Phila., Pa.
Martin Metal Mfg. Co., Wichita, Kan.
Merchant & Evans Co., Phila., Pa.
Messenger & Parks Mfg. Co., Aurora, Ill.
Meyer (F.) & Bro. Co., Peoria, Ill. "Handy"
Milcor Steel Co., Milwaukee, Wis.
Milwaukee Rolling Mill Co., Milwaukee, Wis. "Milrol"
Mobile Steel Co., Mobile, Ala.
New Delphos Mfg. Co., Delphos, O.
Newport Rolling Mill Co., Newport, Ky.
Norman (W. F.) Sheet Metal Mfg. Co., Nevada, Mo.
Ohio Corrugating Co., Warren, O.
Ohio Galvanizing & Mfg. Co., Niles, O.
Parkersburg Iron & Steel Co., Parkersburg, W. Va.
Penn Metal Co., Boston, Mass. "Penco"
Porter Iron Roofing & Corrugating Co., Cincinnati, O.
Reeves Mfg. Co., Dover, O.
Republic Iron & Steel Co., Niles, O.
Robertson (H. H.) Co., Pittsburgh, Pa. "A. P. M."
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill
St. Paul Corrugating Co., St. Paul, Minn.
Scott Roofing & Mfg. Co., Cincinnati, O.
Seneca Iron & Steel Co., Buffalo, N. Y.
Sharon Steel Hoop Co., Sharon, Pa. "Mahoning"
Souther (E. E.) Iron Co., St. Louis, Mo.
Steel Roofing & Stamping Wks., Des Moines, Ia.
Sykes Metal Lath & Roofing Co., Niles, O.
Tiffin Art Metal Co., Tiffin, O.
Trumbull Steel Co., Warren, O.
Watson (J. H.) Co., Bradley, Ill.
Wheeling Corrugating Co., Wheeling, W. Va. "Channeldrain"
Youngstown Pressed Steel Co., Youngstown, O.

ROOFING NAILS—See Nails, Roofing

ROOFING PAPER—See Paper, Roofing

ROOFING TIN—See Tin Plate

ROOFING TOOLS—See Tools, Roofing

ROOFING VALLEY—See Valley, Roofing

ROPE—See also Cordage

ROPE, Awning and Tent

Empire Twine & Yarn Co., Inc., 70 Thomas, New York, N. Y.
Hooper (Wm. E.) & Sons Co., Phila., Pa. "Imperial," "Sterling"
Peoria Cordage Co., Peoria, Ill.
Samson Cordage Wks., 89 Broad, Boston, Mass. "Phoenix"
Whitaker (Wm. D.) & Sons, Phila., Pa. "Tentawn"

ROPE, Bale

American Mfg. Co., West & Noble, Bklyn., N. Y. "American"
Columbian Rope Co., 352 Genesee, Auburn, N. Y.
Empire Twine & Yarn Co., Inc., 70 Thomas, New York, N. Y.
Kelly (R. A.) Co., Xenia, O.
Peoria Cordage Co., Peoria, Ill.
Plymouth Cordage Co., N. Plymouth, Mass.

ROPE CLAMPS—See Clamps, Rope, Manila

ROPE CLEATS—See Cleats, Rope

ROPE CLIPS, Wire—See Clips, Wire Rope

ROPE, Cotton

Bibb Mfg. Co., Macon, Ga.
Burdett Mfg. Co., Kansas City, Mo.
California Cotton Mill Co., E. Oakland, Cal.
Cleveland Mill & Power Co., Lawndale, N. C.
Cohankus Mfg. Co., Paducah, Ky.
Eagle & Phenix Mills, Columbus, Ga.
Empire Twine & Yarn Co., Inc., 70 Thomas, New York, N. Y.
Estes Mills, Fall River, Mass.
Fricke (J. E.) Co., Phila., Pa. "Emory"
Goss Bros., Fall River, Mass.
Hodson, John M., Phila., Pa.
Holden (Jas.), Inc., Fall River, Mass.
Hooper (Wm. E.) & Sons Co., Phila., Pa. "Imperial," "Parkdale," "Sterling"
Lambeth Rope Corp., New Bedford, Mass.
Lees Mfg. Co., Westport, Conn.
Mt. Vernon-Woodbury Mills, Baltimore, Md.
Orange Cotton Mills, Orangeburg, S. C.
Pioneer Cotton Mills, Guthrie, Okla.
Princeton Mfg. Co., Athens, Ga.
Puritan Cordage Mills, Louisville, Ky.
Samson Cordage Wks., 89 Broad, Boston, Mass.
Silver Lake Co., Newtonville, Mass.
Small Bros. Mfg. Co., Fall River, Mass.
Southern Mills Corp., Oxford, Ala.
Tate Mfg. Co., Boston, Mass.
Tate (E. H.) Mop & Cordage Co., Boston, Mass. "Best Quality"
Tombigbee Cotton Mills, Columbus, Miss.
Whitaker (Wm. D.) & Sons, Phila., Pa. "Alpha"
Wynne (Frank W.) & Son, Inc., Phila., Pa.

ROPE CUTTERS—See Cutters, Rope, Cord and Twine

ROPE, Dumb Waiter

American Mfg. Co., Noble & West, Bklyn., N. Y. "American"
Columbian Rope Co., 352 Genesee, Auburn, N. Y.

ROPE, Dumb Waiter (Continued)

Empire Twine & Yarn Co., Inc., 70 Thomas, New York, N. Y.
Fitler (Edwin H.) Co., Phila., Pa.
Plymouth Cordage Co., N. Plymouth, Mass.
Samson Cordage Wks., 89 Broad, Boston, Mass.
Silver Lake Co., Newtonville, Mass.
Whitlock Cordage Co., 46 South, New York, N. Y.

ROPE, Halter

American Mfg. Co., Noble & West, Bklyn., N. Y. "American"
Columbian Rope Co., 352 Genesee, Auburn, N. Y.
Empire Twine & Yarn Co., Inc., 70 Thomas, New York, N. Y.
Peoria Cordage Co., Peoria, Ill.
Plymouth Cordage Co., N. Plymouth, Mass.
Samson Cordage Wks., 89 Broad, Boston, Mass.
Silver Lake Co., Newtonville, Mass.

ROPE, Hay Carrier—See Rope, Hay Stacker

ROPE, Hay Fork

American Mfg. Co., Noble & West, Bklyn., N. Y. "American"
Columbian Rope Co., 352 Genesee, Auburn, N. Y.
Fitler (Edwin H.) Co., Phila., Pa.
Kelly (R. A.) Co., Xenia, O.
Peoria Cordage Co., Peoria, Ill.
Plymouth Cordage Co., N. Plymouth, Mass.
Portland Cordage Co., Portland, Ore.
Rassman (F.) Mfg. Co., Beaver Dam, Wis.
Whitlock Cordage Co., 46 South, New York, N. Y.

ROPE, Hay Stacker

American Mfg. Co., Noble & West, Bklyn., N. Y. "American"
Columbian Rope Co., 352 Genesee, Auburn, N. Y.
Empire Twine & Yarn Co., Inc., 70 Thomas, New York, N. Y.
Kelly (R. A.) Co., Xenia, O.
Peoria Cordage Co., Peoria, Ill.
Plymouth Cordage Co., N. Plymouth, Mass.
Portland Cordage Co., Portland, Ore.
Whitlock Cordage Co., 46 South, New York, N. Y.

ROPE, Hemp

American Mfg. Co., Noble & West, Bklyn., N. Y. "American"
Broderick & Bascom Rope Co., St. Louis, Mo.
Columbian Rope Co., 352 Genesee, Auburn, N. Y.
Empire Twine & Yarn Co., Inc., 70 Thomas, New York, N. Y.
Fitler (Edwin H.) Co., Phila., Pa.
Hooven & Allison Co., Xenia, O.
Leschen (A.) & Sons Rope Co., St. Louis, Mo.
Mordt Co., Chicago, Ill.
New Bedford Cordage Co., 233 B'way, New York, N. Y.
Plymouth Cordage Co., N. Plymouth, Mass.
Rauschenberger (John) Co., Milwaukee, Wis.
Wall Rope Wks., 48 South, New York, N. Y.
Whitlock Cordage Co., 46 South, New York, N. Y.
Wynne (Frank W.) & Son, Inc., Phila., Pa.

ROPE HITCHES—See Hitches, Rope

ROPE, Hoisting

American Mfg. Co., Noble & West, Bklyn., N. Y. "American"
Columbian Rope Co., 352 Genesee, Auburn, N. Y.
Empire Twine & Yarn Co., Inc., 70 Thomas, New York, N. Y.
Kelly (R. A.) Co., Xenia, O.
Plymouth Cordage Co., N. Plymouth, Mass.
Waterbury Co., 117 Liberty, New York, N. Y.

ROPE HOISTS—See Hoists, Chain and Rope

ROPE LADDERS—See Ladders, Rope

ROPE, Manila and Sisal

American Mfg. Co., West & Noble, Bklyn., N. Y. "All Weather," "Amco," "Anchor"
Broderick & Bascom Rope Co., St. Louis, Mo.
Cating Rope Wks., Inc., Maspeth, N. Y.
Columbian Rope Co., 352 Genesee, Auburn, N. Y. "Tape-Marked"
Empire Twine & Yarn Co., Inc., 70 Thomas, New York, N. Y.
Fitler (Edwin H.) Co., Phila., Pa. "Diamond," "Domestic," "Wm. Penn"
Groendyke (J. C.) Co., Chicago, Ill.
Hooven & Allison Co., Xenia, O. "Anchor," "Blue Heart," "Red Heart"
Jackson (Thos.) & Son Co., Reading, Pa.
Kelly (R. A.) Co., Xenia, O. "Rakco"
Leschen (A.) & Sons Rope Co., St. Louis, Mo.
Mayapan Cordage Co., Inc., Dayton, O. "Fidelity"
New Bedford Cordage Co., 233 B'way, New York, N. Y.
New York Cordage Co., 162 South, New York, N. Y.
Peoria Cordage Co., Peoria, Ill. "Peerless," "Premium" (Purple Thread)
Peter & Guckenberger, Cincinnati, O.
Plymouth Cordage Co., N. Plymouth, Mass.
Portland Cordage Co., Portland, Ore.
Rinek Cordage Co., Easton, Pa. "Reliable"
Rugg (E. T.) & Co., Newark, O.
St. Louis Cordage Mills, St. Louis, Mo. "Amco," "American," "Climax," "Defiance," "Meteor," "Pennant," "Royal," "Sparton"
Tubbs Cordage Co., San Francisco, Cal.
Wall Rope Wks., 48 South, New York, N. Y. "Crescent," "Diamond," "Star"
Waterbury Co., 117 Liberty, New York, N. Y. "Lawcore"
Whitlock Cordage Co., 46 South, New York, N. Y.

ROPE, Sisal—See Rope, Manila and Sisal

ROPE, Tent—See Rope, Awning and Tent

ROPE THIMBLES—See Thimbles, Rope

ROPE TRAMWAYS, Wire—See Tramways, Wire Rope

ROPE, Wire Sockets—See Sockets, Wire Rope

ROPE or CABLE, Wire, Bronze

American Brass Co., Waterbury, Conn. "Anaconda"
Phosphor Bronze Smelting Co., Phila., Pa. "Elephant"
Reeves (Paul S.) & Co., Phila., Pa.
Riverside Metal Co., Riverside, N. J. "Omega"
Wire Rope Mfg. & Equip. Co., Seattle, Wash. "Double Blue"

ROPE or CABLE, Wire, Steel

American Cable Co., Inc., 230 Park Av., New York, N. Y. "Crescent," "Tru-Lay"
American Steel & Wire Co., 208 S. LaSalle, Chicago, Ill. "American"
Broderick & Bascom Rope Co., St. Louis, Mo. 'Yellow Strand"
Fischer & Hayes Rope & Steel Co., Chicago, Ill.
Hazard Wire Rope Co., Wilkes-Barre, Pa. "Lay-Set"
Leschen (A.) & Sons Rope Co., St. Louis, Mo.
MacWhyte Co., Kenosha, Wis.
Roebling's (John A.) Sons Co., Trenton, N. J.
Wickwire Spencer Steel Co., Inc., 41 E. 42nd, New York, N. Y.
Williamsport Wire Rope Co., Chicago, Ill. "Telfax"

ROPES, Jumping

Empire Twine & Yarn Co., Inc., 70 Thomas, New York, N. Y.
Gong Bell Mfg. Co., E. Hampton, Conn.
Hance Mfg. Co., Westerville, Conn. "Joy Skip"
Hill (N. N.) Brass Co., E. Hampton, Conn.
Kirby Mfg. Co., Middletown, Conn.
Mission Mfg. Co., San Diego, Cal.
Mordt Co., Chicago, Ill.

ROPES, CHAINS and BARS, Tow

American Chain Co., Inc., Bridgeport, Conn.
Bellevue Mfg. Co., Bellevue, O. "Buckeye"
Broderick & Bascom Rope Co., 805 N. Main, St. Louis, Mo. "Baseline," "Powersteel"
Chain Products Co., 3298 Cooper Av., Cleveland, O. "Bull Dog," "Hodell"
Cleveland Chain & Mfg. Co., Cleveland, O.
Hinckley-Myers Co., Jackson, Mich. "Timesavers"
Hogarty, Edward, Unionville, Conn. "Utility"
Michigan Metal Products Co., Battle Creek, Mich. (Cable)
Mordt Co., Chicago, Ill. "Nohnot"
Rochester Rope Goods Co., Milwaukee, Wis.
Russell Mfg. Co., Middletown, Conn.
United States Chain & Forging Co., Pittsburgh, Pa.
Universal Safety Towing Bar Co., Buffalo, N. Y.
Weaver Mfg. Co., Springfield, Ill.
Wickwire Spencer Steel Co., Inc., 41 E. 42nd, New York, N. Y.

ROQUE BALLS—See Balls, Roque

ROSE BUSHES—See Bushes, Rose

ROSETTES

Beardsley & Wolcott Mfg. Co., Waterville, Conn. (Chair)
Enterprise Mfg. Co., Dept. HA, Akron, O. (Harness)
Leviton Mfg. Co., 226 Newell, Bklyn., N. Y.
Rowe (Henry) Mfg. Co., Newaygo, Mich.

ROSIN CORE SOLDER—See Solder, Rosin Core

ROTARY HACK SAWS—See Saws, Hack, Rotary

ROTARY PUMPS—See Pumps, Rotary

ROUND BELTING—See Belting, Round

ROUND CORE PULLEY CHAIN—See Chain, Pulley

ROUTER BITS—See Bits, Chisel and Router

ROW BOAT MOTORS—See Motors, Boat

ROW LOCKS—See Locks, Oar

ROWING MACHINES

Anderson Pattern Wks., Moline, Ill. "Vigo-Ro"
Chicago Gymnasium Equipment Co., Chicago, Ill.
Conditioneer Co., 43rd Av. & 39th, Long Island City, N. Y.
Health Developing Apparatus Co., 212 5th Av., New York, N. Y. "Du-Ro-Pirate," "Hardy Rower," "Seat of Health," "Vig-Row"
Johnson (Alfred) Skate Co., Chicago, Ill. "Pep"
Mac-Col Mfg. Co., St. Louis, Mo. "Handy"
Mandl, Bernard, Chicago, Ill.
Medart (Fred) Mfg. Co., St. Louis, Mo.
Reach (A. J.) Wright & Ditson, Inc., Phila., Pa.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Staley Mfg. Corp., Columbus, Ind.
Steelflex Corp. of America, Cleveland, O. "Rowflex"
Sweet's Steel Co., Williamsport, Pa. "Steelflex"

RUBBER BALLOONS—See Balloons, Rubber

RUBBER BALLS—See Balls, Rubber

RUBBER BELTING—See Belting, Rubber

RUBBER CEMENT—See Cement, Rubber

RUBBER CLOSET SEAT BUMPERS—See Bumpers, Rubber, Closet Seat

RUBBER COMPOSITION MALLETS—See Mallets, Rubber Composition

RUBBER DOLLS—See Dolls, Rubber

RUBBER FLOATS—See Balls, Rubber, Flush Tank

RUBBER FORCE CUPS—See Cups, Force

RUBBER GASKETS—See Gaskets, Rubber

RUBBER GLOVES—See Gloves, Rubber

RUBBER HEELS—See Soles and Heels, Rubber

RUBBER-HEADED NAILS—See Nails, Rubber-Headed

RUBBER-HEADED TACKS—See Tacks, Rubber-Headed

RUBBER HORSE SHOE PADS—See Pads, Horse Shoe, Rubber

RUBBER HORSE SHOES—See Shoes, Horse, Rubber

RUBBER HOSE—See Hose, Rubber

RUBBER KNIVES—See Knives, Rubber

RUBBER MATS—See Mats, Rubber

RUBBER MATTING—See Mats, Rubber

RUBBER PAINTS—See Paints, Rubber

RUBBER PLUNGERS—See Plungers, Rubber

RUBBER PUMP BUCKETS—See Buckets, Pump

RUBBER QUOITS—See Quoits, Rubber

RUBBER SHEET PACKING—See Packing, Rubber, Sheet

RUBBER SOLES—See Soles and Heels, Rubber

RUBBER STAIR TREADS—See Treads, Stair

RUBBER STAMP OUTFITS—See Outfits, Rubber Stamp

RUBBER TAPE—See Tape, Rubber

RUBBER TIPS—See Tips, Chair and Crutch

RUBBER TIRES and TUBES—See under Tires; also under Tubes

RUBBER TUBING—See Hose, Rubber

RUBBER WASHERS—See Washers, Rubber

RUBBER WRINGER ROLLS—See Rolls, Wringer, Rubber

RUBBERS, Fruit Jar

Acme Rubber Mfg. Co., Trenton, N. J.
Ball Bros. Co., Muncie, Ind. "Perfect Seal," "Reliable"
Boston Woven Hose & Rubber Co., Cambridge, Mass. "Good Luck"
Cupples Co., St. Louis, Mo. "Amazon," "Presto"
Eureka Jar Co., Boston, Mass. "Fitz-Em-All," "Kold Prosso"
Goodrich (B. F.) Rubber Co., Akron, O.
Hamilton Rubber Mfg. Co., Trenton, N. J.
Manhattan Rubber Mfg. Co., Passaic, N. J.
Mercer Rubber Co., Hamilton Sq., N. J.
Rubber Products Co., Barberton, O.
Tillinghast (B. C.) Rubber Co., Inc., Phila., Pa.
United States Rubber Co., 1790 B'way, New York, N. Y.

RUBBISH BURNERS—See Burners, Rubbish

RUG BEATERS—See Beaters, Carpet and Rug

RUG CLEANERS—See Cleaners, Carpet and Rug

RUG, NON-SLIPPING COMPOUNDS—See Compounds, Rug, Non-Slipping

RUGS, Printed, Felt Base

Armstrong Cork Co., Lancaster, Pa. "Walton"
Bird & Son, Inc., East Walpole, Mass. "Neponset"
Certain-teed Products Corp., 100 E. 42d, New York, N. Y.
Congoleum-Nairn, Inc., Kearny, N. J. "Crescent," "Gold Seal"
Paraffine Co., San Francisco, Cal. "Pabcolin"
Sandura Co., Paulsboro, N. J.
Sloan-Blabon Corp. (Nicetown), Phila., Pa. "Feltex"

RUGS, Printed, Linoleum

(See also Linoleum)

Armstong Cork Co., Lancaster, Pa.
Certain-teed Products Corp., 100 E. 42d, New York, N. Y.
Congoleum Nairn, Inc., Kearny, N. J.
Sloan-Blabon Corp. (Nicetown), Phila., Pa.

RULE HOOKS—See Hooks, Tape and Rule

RULES—See Kind Desired; also Yardsticks

RULES, Aluminum

American Goods Mfg. Co., Manitowoc, Wis.
Lufkin Rule Co., Saginaw, Mich. "Magic Pattern"
Master Rule Mfg. Co., 817 E. 136th St., New York, N. Y.
Rustless Rule Co., Buffalo, N. Y.
Stanley Wks., New Britain, Conn.

RULES, Blacksmith's

Lufkin Rule Co., Saginaw, Mich.
Stanley Wks., New Britain, Conn.
Starrett (L. S.) Co., Athol, Mass.

RULES, Board and Log

American Rule Co., Nashville, Tenn.
Cleveland Rule Co., Cleveland, O.
Lufkin Rule Co., Saginaw, Mich.

RULES, Brass

Lufkin Rule Co., Saginaw, Mich.

RULES, Caliper

Brown & Sharpe Mfg., Providence, R. I.
Johnson (E. P.) Rule Mfg. Co., Chicago, Ill.
Lufkin Rule Co., Saginaw, Mich.
Millers Falls-Goodell Pratt Co, Greenfield, Mass.
Rustless Rule Co., Buffalo, N. Y.
Stanley Wks., New Britain, Conn.
Starrett (L. S.) Co., Athol, Mass.
Union Tool Co., Orange, Mass.

RULES, Counter

Lufkin Rule Co., Saginaw, Mich.

RULES, Extension

Keuffel & Esser Co., 300 Adams, Hoboken, N. J.
Lufkin Rule Co., Saginaw, Mich.
Master Rule Mfg. Co., 817 E. 136th, New York, N. Y. "Interlox"
Stanley Wks., New Britain, Conn.

RULES, Folding

Chapin-Stephens Co., Pine Meadow, Conn. "Flexi-fold," "Nearsite"
Consolidated Tool Wks., 509 Madison Av., New York, N. Y. "Pilot"
Dietzgen (Eugene) Co., Chicago, Ill.
Hart (H. C.) Mfg. Co., Unionville, Conn.
Hutchison Engineering Co., Chicago, Ill. "Twelve-in-One-Tool"
Hyde Mfg. Co., Southbridge, Mass.
Keuffel & Esser Co., 300 Adams, Hoboken, N. J. "K. & E. Ready Reading"
Lufkin Rule Co., Saginaw, Mich. "Red End," "Two-Way"
Master Rule Mfg. Co., 817 E. 136th, New York, N. Y. "Duplex," "U. S. A."
Rustless Rule Co., Buffalo, N. Y.
Savory, Inc., 591 Ferry, Newark, N. J.
Stanley Wks., New Britain, Conn. "Zig Zag"
Starrett (L. S.) Co., Athol Mass.

RULES, Glass Cuttters'

Lufkin Rule Co., Saginaw, Mich.

RULES, Hook

Lufkin Rule Co., Saginaw, Mich.
Master Rule Mfg. Co., 817 E. 136th St., New York, N. Y.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Stanley Wks., New Britain, Conn.
Union Tool Co., Orange, Mass.

RULES, Key Seat

Brown & Sharpe Mfg. Co., Providence, R. I.
Starrett (L. S.) Co., Athol, Mass.
Union Tool Co., Orange, Mass.

RULES, Machinists'

Brown & Sharpe Mfg. Co., Providence, R. I.
Johnson (E. P.) Rule Mfg. Co., Chicago, Ill.
Lufkin Rule Co., Saginaw, Mich.
Rustless Rule Co., Buffalo, N. Y.
Sawyer Tool Mfg. Co., Ashburnham, Mass.
Starrett (L. S.) Co., Athol, Mass.

RULES, Manual Training

Lufkin Rule Co., Saginaw. Mich.

RULES, Mitre and Square

Master Rule Mfg. Co., 817 E. 136th St., New York, N. Y.

RULES, Shrinkage

Brown & Sharpe Mfg. Co., Providence, R. I.
Chapin-Stephens Co., Pine Meadow, Conn. "C-S Co."
Keuffel & Esser Co., 300 Adams, Hoboken, N. J.
Lufkin Rule Co., Saginaw, Mich.
Stanley Wks., New Britain, Conn.
Starrett (L. S.) Co., Athol, Mass.

RULES, Steel

Almond (T. R.) Mfg. Co., Ashburnham, Mass.
Brown & Sharpe Mfg. Co., Providence, R. I.
Forsyth Metal Goods Co., Inc., East Aurora, N. Y.
Hutchison Engineering Co., Chicago, Ill. "Twelve in-One-Tool"
Keuffel & Esser Co., 300 Adams, Hoboken, N. J.
Lufkin Rule Co., Saginaw, Mich. "Crescent," "Wizard" (Flexible-Rigid)
Master Rule Mfg. Co., 817 E. 136th St., New York, N. Y.
Mayhew Steel Products, Inc., Shelburne Falls, Mass. (Flexible)
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Nicholls Mfg. Co., Ottumwa, Ia.
Sawyer Tool Mfg. Co., Ashburnham, Mass.
Stanley Wks., New Britain, Conn. "Farrand," "Pull-Push" (Flexible-Rigid)
Starrett (L. S.) Co., Athol, Mass.
Union Tool Co., Orange, Mass.

RULES, Tinners'

Lufkin Rule Co., Saginaw, Mich. "Magic Pattern"
Peck, Stow & Wilcox Co., Southington, Conn.

RUNNER LEATHER GUARDS—See Guards, Leather Runner

RUNNERS, Joint

American Swiss File & Tool Co., Elizabeth, N. J.
Atlas Mineral Products Co. of Pa., Mertztown, Pa.
Clinton Mfg. Co., 83 Grand Av., B'klyn, N. Y. "Union"
Coleman, Allan J., Chicago, Ill.
Johnson (William), Inc., 36 Brenner, Newark, N. J.
Johns-Manville, Inc., Madison Av. & 41st, New York, N. Y.
Mueller Co., Decatur, Ill.

RUNNING SHOES—See Shoes, Running

RURAL MAIL BOXES—See Boxes, Mail, Rural, Parcel Post

RUST PREVENTING and REMOVING COMPOUNDS—See Compounds, Rust Preventing and Removing

RUST PREVENTATIVES—See Preservers, Metal, Wood

"S" HOOKS—See Hooks, "S"

"S" WRENCHES—See Wrenches, "S"

S. A. E. NUTS—See Nuts, S. A. E.

SACK HOLDERS—See Holders, Bag or Sack

SACK, Fruit Picking—See Sacks, Seed and Fruit

SAD IRON ELEMENTS—See Elements, Electric Heating, Sad Iron

SAD IRON HANDLES—See Handles, Sad Iron

SAD IRON STANDS—See Stands, Sad Iron

SAD IRONS—See Irons, Sad

SAD IRONS, Toy—See Iron Toys, Trains, Sad Irons, Etc.

SADDLE BLANKETS—See Blankets, Saddle, Horse

SADDLE CLIPS—See Clips, Saddle

SADDLERS' PUNCHES—See Punches, Belt and Saddlers'

SADDLERY—See Harness and Saddlery

SADDLERY HARDWARE—See Harness and Saddlery Hardware

SADDLES

Des Moines Saddlery Co., Des Moines, Ia.
Hamley & Co., Pendleton, Ore.
Hess & Hopkins Leather Co., Rockford, Ill. "Honest Leather"
Voss-Hutton Mfg. Co., Little Rock, Ark.
Wyeth Hdwe. & Mfg. Co., St. Joseph, Mo.

SADDLES, Bicycle

Chicago Cycle Supply Co., Chicago, Ill.
Elyea-Austell Co., Atlanta, Ga.
Great Western Co., La Porte, Ind. "Superior"
Miami Cycle Mfg. Co., Middletown, O.
Sager Mfg. Co., Rochester, N. Y.
Stoll Mfg. Co., Denver, Colo.
Superior Metal Products Co., Elyria, O.
Troxel Mfg. Co., Elyria, O.

SADDLES, Roof

Hoeft & Co., Inc., North Chicago, Ill. "Moe's"
Hudson (H. D.) Mfg. Co., Chicago, Ill.
Mit-Shel Stamping Mfg. Co., Quincy, Ill.
Northwest Metal Products, Inc., Seattle, Wash.
Oakes Mfg. Co., Tipton, Ind. "Adjustable"
Simplex Brooder Stove Co., Grand Rapids, Mich.
Vac Mfg. Co., Monmouth, Ill.

SAFE DEPOSIT BOX LOCKS—See Locks, Safe Deposit Box

SAFES, House

Covert (H. W.) Co., 229 E. 37th, New York, N. Y. (Wall)
Dudley Lock Corp., Chicago, Ill. (Wall)
Hall's Safe Co., Cincinnati, O.
Meilink Steel Co., Toledo, O.
Pike (Frank A.) Co., Rochester, N. Y. "PI-Kabinet"
Wehrle Co., Newark, O. (Wall)

SAFES, Match

Arcade Mfg. Co., Freeport, Ill. "Champion"
Bogert & Hopper, 223 Varick, New York, N. Y.
Ennis Mfg. Co., Reading, Pa.
Estes (E. B.) Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Forsyth Metal Goods Co., Inc., East Aurora, N. Y.
Grey Iron Casting Co., Mt. Joy, Pa. "Demon"
Kersten Co., Inc., Chicago, Ill.
Kohler Die & Specialty Co., De Kalb, Ill. "Deaton"
Marble Arms & Mfg. Co., Gladstone, Mich.
National Enameling & Stamping Co., Milwaukee, Wis.
National Sheet Metal Co., Peru, Ill.
Nicol & Co., Chicago, Ill. "Turtle"
Patent Novelty Co., Fulton, Ill.
Riley-Klotz Mfg. Co., 17 Mulberry, Newark, N. J.
Royal Mfg. Co., Phila., Pa. "Royal Rustic"
Savory, Inc., 591 Ferry, Newark, N. J.
Schimper (William) & Co., 322 Ferry, Hoboken, N. J.
Searles Mfg. Co., 29 Mulberry, Newark, N. J. "Paletto"
Steel Stamping Co., Lorain, O.
Stover Mfg. & Engine Co., Freeport, Ill.
Washburn Company, Worcester, Mass.
Williams (A. C.) Co., Ravenna, O.
Wrightsville Hdw. Co., Wrightsville, Pa.

SAFETY CHAIN—See Chain, Safety

SAFETY GLASS—See Glass, Safety

SAFETY HOOKS—See Hooks, Safety

SAFETY LADDER BRACKETS—See Brackets, Ladder

SAFETY LAMPS—See Lamps, Miners', Safety

SAFETY RAZOR BLADE HOLDERS—See Holders, Blade, Safety Razor

SAFETY RAZOR BLADE SHARPENING MACHINES—See Blade Sharpening Machines

SAFETY RAZOR BLADE STROPPERS—See Stroppers, Blade, Safety Razor

SAFETY RAZOR BLADES—See Blades, Safety Razor

SAFETY RAZORS—See Razors, Safety

SAIL BOATS, Toy—See Boats, Toy

SAIL NEEDLES—See Needles, Packing and Bagging

SAL AMMONIAC

Allen (L. B.) Co., Inc., 6731 Bryn Mawr Av., Chicago, Ill.
American Solder & Flux Co., Phila., Pa. "Sal Brick"
General Chemical Co., 40 Rector, New York, N. Y.
Grasselli Chemical Co., Cleveland, O.
Harshaw, Fuller & Goodwin, Cleveland, O.
Illinois Smelting & Refining Co., Chicago, Ill.
Klipstein (A.) & Co., 350 5th Av., New York, N. Y.
National Aniline & Chemical Co., 40 Rector, New York, N. Y.
Pfanstiehl Chemical Co., Waukegan, Ill. "Speco Solid"
Roessler & Hasslacher Chemical Co., 350 5th Av., New York, N. Y.
Semet-Solvay Co., Syracuse, N. Y.
Wiarda (John C.) & Co., 554 Johnson Av., B'klyn, N. Y.

SALAD MOLDS—See Molds, Cake, Pudding, Etc.

SALAMANDERS

Biehl Iron Wks., Inc., Reading, Pa.
Diener (Geo. W.) Mfg. Co., Chicago, Ill.
Donley Bros. Co., Cleveland, O.
Durlach Can & Iron Wks., 234 Bridge, B'klyn, N. Y.
General Wheelbarrow Co., Cleveland, O. "Akron"
Heckman Tool & Mfg. Co., Chicago, Ill.
Howes (S. M.) Co., Boston, Mass.
Indiana Fdry. Co., Indiana, Pa.
Jackson Mfg. Co., Harrisburg, Pa.
Littleford Bros., Cincinnati, O. (Knock-Down)
Smith-Matthews Foundry Co., Detroit, Mich.
Toepfer (W.) & Sons Co., Milwaukee, Wis.

SALT BOXES—See Boxes, Salt

SALT SHAKERS—See Shakers, Salt

SALT, Soldering—See Flux, Soldering

SAND BOXES—See Boxes, Sand

SANDERS, Floor—See Machines, Floor, Electric

SAND, for Sand Boxes

Child Health Sand Co., Phila., Pa.
United Clay Mines Corp., Trenton, N. J.

SAND PAILS, Toy—See Sand Toys

SAND PAPER—See Paper, Coated, Sand, Garnet, Aluminous, Etc.

SAND PAPER HOLDERS—See Holders, Sand Paper

SAND PAPER, Waterproof—See Paper, Coated, Sand, Garnet, Aluminous, Etc.

SAND SCOOPS—See Scoops, Sand

SAND SCREENS—See Screens, Coal, Sand, Etc.

SAND SHOVELS—See Shovels, Sand

SAND SHOVELS, Toy—See Sand Toys

SAND SIFTERS—See Sifters, Sand

SAND STONES—See Stones, Grind

SAND TOYS

American Flyer Mfg. Co., 2219 So. Halsted, Chicago, Ill. "Structo"
American National Co., Toledo, O.
Anchor Post Fence Co., Baltimore, Md. (Boxes)
Buddy "L" Mfg. Co., East Moline, Ill. (Loaders & Screeners)
Cohn, T., 745 65th, B'klyn, N. Y. (Pails)
Conestoga Corp., Bethlehem, Pa.
Converse-Mason Corp., Winchendon, Mass.
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Gibbs Mfg. Co., Canton, O.
Jamison (Robert W.) Mfg. Co., Los Angeles, Cal.
Kiddie Town Products Co., Seneca Falls, N. Y. (Boxes)
McDowell Mfg. Co., Millvale Station, Pittsburgh, Pa.
Mansfield Novelty Co., Mansfield, Pa.
Mono Service Co., Oraton St., Newark, N. J. (Pails)
Musgrove (E. F.), Inc., 600 W. 44th, New York, N. Y.
Ohio Art Co., Bryan, O.
Patent Novelty Co., Inc., Fulton, Ill. "Fulton," "Polly Junior"
Playskool Institute Div. of John Schroeder Lumber Co., Milwaukee, Wis. (Table)
Pressed Metals Products Co., Cleveland, O. (Boats)
Rochester Can Co., Rochester, N. Y.
Smith (S. A.) Mfg. Co., Brattleboro, Vt.
Toy Company of America, Appleton, Wis.
Wolverine Supply & Mfg. Co., Pittsburgh, Pa. (Pails, Shovels, etc.) "Merry Miller," "Sandy Andy"

SANDWICH OUTFITS—See Outfits, Sandwich

SANDWICH TOASTERS, Electric—See Toasters, Sandwich, Electric

SANITARY BRUSHES—See Brushes, Sanitary

SANITARY CLOSETS—See Toilets, Chemical

SANITARY DRINKING FOUNTAINS—See Fountains, Drinking, Sanitary

SANITARY ENAMELED WARE—See Ware, Sanitary, Enameled

SANITARY EQUIPMENT AND SUPPLIES—See article desired

SANITARY NAPKIN RECEPTACLES—See Receptacles, Sanitary Napkins

SANTA CLAUS OUTFITS—See Outfits, Santa Claus

SAP PAILS—See Pails, Sap

SAP SPOUTS—See Spouts, Sap

SASH BALANCES—See Balances, Sash

SASH BRUSHES—See Brushes, Sash

SASH CENTERS—See Centers, Sash

SASH CHAIN—See Chain, Sash

SASH CHAIN FIXTURES—See Fixtures, Sash Chain

SASH CORD—See Cord, Sash

SASH CORD GRIP—See Grip, Sash Cord

SASH CORD IRONS —See Irons, Sash Cord

SASH CURTAIN RODS—See Rods, Curtain, Sash

SASH FASTENERS—See Locks, Sash

SASH HOLDERS—See Holders, Sash

SASH LIFTS—See Lifts, Sash

SASH LOCKS—See Locks, Sash

SASH PIVOTS—See Centers, Sash

SASH POLE HANGERS—See Hangers, Sash Pole

SASH PULLEYS—See Pulleys, Sash

SASH ROLLERS—See Rollers, Sash

SASH SOCKETS—See Sockets, Sash

SASH STEEL—See Windows, Steel

SASH SUSTAINERS—See Sustainers, Sash

SASH WEIGHTS—See Weights, Sash

SAUSAGE STUFFERS—See Stuffers, Sausage

SAVERS, Fuel

Bee Hive Fuel Saver, Chicago, Ill.
Pearson Mfg. Co., Robbinsdale, Minn.
Ritch & Pidge Mfg. Co., Fultonville, N. Y. (Gas and oil stove) "Peerless"

SAW BITS—See Bits and Shanks, Saw

SAW BLADES—See under Blades

SAW BUCKS—See Bucks, Saw

SAW CLAMPS—See Clamps, Saw

SAW FILES—See Files and Rasps

SAW FILING VISES—See Vises, Saw Filing

SAW GAGES—See Gages, Saw

SAW GRINDERS—See Grinders, Saw

SAW GUARDS—See Guards, Saw

SAW GUMMERS—See Gummers, Saw

SAW HANDLES—See Handles, Saw

SAW HOLDERS—See Teeth and Holders

SAW HORSE BRACKETS—See Brackets, Saw Horse

SAW JOINTERS—See Jointers, Saw

SAW KNIVES—See Knives, Saw

SAW MAKERS' ANVILS—See Anvils, Saw Makers'

SAW MILLS—See Mills, Saw

SAW PUNCHES—See Punches, Saw

SAW RIGS—See Rigs, Saw

SAW SCREWS—See Screws, Saw

SAW SETTING HAMMERS—See Hammers, Saw Setting

SAW SETS—See Sets, Saw

SAW SHANKS—See Bits and Shanks, Saw

SAW SHARPENER MACHINES—See Machines, Saw Sharpener

SAW TEETH—See Teeth and Holders, Saw

SAW TOOLS—See Tools, Saw

SAWS, Back

Atkins (E. C.) & Co., Indianapolis, Ind.
Central Hdw. Co., Phila., Pa. "Harrison"
Clemson Saw Co., Middletown, N. Y.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Ohlen-Bishop Co., Columbus, O.
Sandvik Saw & Tool Corp., Minneapolis, Minn. "Fish & Hook," "Sandvik" (Imported)

SAWS, Band, Metal Cutting

Acme-Detroit Saw Corp., Detroit, Mich.
American Saw & Mfg. Co., Springfield, Mass. "Lenox"
Armstrong-Blum Mfg. Co., Chicago, Ill. "Marvel"
Atkins (E. C.) & Co., Indianapolis, Ind.
Barnes (W. O.) Co., Detroit, Mich.
Clemson Bros., Inc., Middletown, N. Y. "Star"
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Edge (Frank) & Co., Grand Rapids, Mich.
Huther Bros. Saw Mfg. Co., Inc., Rochester, N. Y.
Lippert (E. T.) Saw Co., Millvale, Pa.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Ohlen-Bishop Co., Columbus, O.
Racine Tool & Mach. Co., Racine, Wis.
Ryerson (Jos. T.) & Son, Chicago, Ill.
Sandvik Saw & Tool Corp., Minneapolis, Minn. "Fish & Hook," "Sandvik" (Imported)
Simonds Saw & Steel Co., Fitchburg, Mass.
Thompson (Henry G.) & Son Co., New Haven, Conn.
Victor Saw Wks., Inc., Middletown, N. Y.

SAWS, Band, Wood Cutting

Acme-Detroit Saw Corp., Detroit, Mich.
American Saw & Mfg. Co., Springfield, Mass. "Lenox"
Atkins (E. C.) & Co., Indianapolis, Ind.
Barnes (W. O.) Co., Detriot, Mich.
Boice, William B. & John E., Toledo, O.
Carlisle Mould Wks., Millville, N. J. "Whirlwind"
Chattanooga Saw Wks., Chattanooga, Tenn.
Clemson Saw Co., Middletown, N. Y.
Delta Specialty Co., Milwaukee, Wis.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Griffiths (Albert) Saw Co., Boston, Mass.
Heston & Anderson, Fairfield, Ia.
Huther Bros. Saw Mfg. Co., Inc., Rochester, N. Y.
Jones Superior Mach. Co., Chicago, Ill.
Kennedy, Ralph M., Phila., Pa.
Lippert (E. T.) Saw Co., Millvale, Pa.
Metal Saw & Mach. Co., Springfield, Mass. "Napier"
Ohlen-Bishop Co., Columbus, O.
Porter-Cable-Hutchinson Corp., Syracuse, N. Y. "Syracuse"
Racine Tool & Mach. Co., Racine, Wis.
Sandvik Saw & Tool Corp., Minneapolis, Minn. "Fish & Hook," "Sandvik" (Imported)
Simonds Saw & Steel Co., Fitchburg, Mass.
Southern Saw Wks., Atlanta, Ga.
Thompson (Henry G.) & Son Co., New Haven, Conn.
Up-To-Date Mach. Wks., Chicago, Ill.
Walker-Turner Co., Inc., Plainfield, N. J. "Driver"
Wallace (J. D.) Co., Chicago, Ill.

SAWS, Bead

Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.

SAWS, Bracket

Atkins (E. C.) & Co., Indianapolis, Ind.
Clemson Saw Co , Middletown, N. Y.
Ohlen-Bishop Co., Columbus, O.

SAWS, Buck

Atkins (E. C.) & Co., Indianapolis, Ind.
Clemson Saw Co., Middletown, N. Y.
Decker (Ernest F.) Saw Wks., Albany, N. Y.
Dissinger (C. H. A.) & Bros. Co., Wrightsville, Pa. "Capital"
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Griffiths (Albert) Saw Co., Boston, Mass.
Heebner & Sons, Lansdale, Pa.
Ohlen-Bishop Co., Columbus, O.
Sandvik Saw & Tool Corp., Minneapolis, Minn. "Fish & Hook," "Sandvik" (Imported)
Simonds Saw & Steel Co., Fitchburg, Mass.

SAWS, Butchers'

(See also Blades, Butchers' Saw)

American Saw & Mfg. Co., Springfield, Mass.
Atkins (E. C.) & Co., Indianapolis, Ind.
Batcheller Saw & Tool Co., Port Jervis, N. Y.
Chatillon (John) & Sons, 85 Cliff, New York, N. Y.
Clemson Saw Co., Middletown, N. Y.
Combination Cutlery Co., Oakland, Cal. (Comb. Knife and Saw)
Decker (Ernest F.) Saw Wks., Albany, N. Y.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Mechanics Tool & Wrench Co., Greenfield, Mass. "Nichols Bros."
Millers Falls-Goodell Pratt Co., Greenfield, Mass. "Star"
Ohlen-Bishop Co., Columbus, O.
Pittsburgh Saw & Mfg. Co., Pittsburgh, Pa.
Simonds Saw & Steel Co., Fitchburg, Mass.
Thompson (Henry G.) & Son Co., New Haven, Conn.

SAWS, Cabinet

Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.

SAWS, Cable

Atkins (E. C.) & Co., Indianapolis, Ind.

SAWS, Circular

Acme-Detroit Saw Corp., Detroit, Mich.
Aeromotor Co., Chicago, Ill.
Atkins (E. C.) & Co., Indianapolis, Ind. "Combination," "Oval Ground," "Half and Half," "Smooth-Cut"
Barnes (W. F. & John) Co., Rockford, Ill.
Chattanooga Saw Wks., Chattanooga, Tenn.

SAWS, Circular (Continued)

Cocker Mfg. Co., Lockport, N. Y. "America's Best"
Decker (E. F.) Saw Wks., Albany, N. Y.
Delta Specialty Co., Milwaukee, Wis.
DeWalt Products Corp., Leola, Lancaster Co., Pa.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa. "Fast-Cut"
Eagle Saw Co., Chattanooga, Tenn.
Griffiths (Albert) Saw Co., Boston, Mass.
Huther Bros. Saw Mfg. Co., Inc., Rochester, N. Y.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Ohlen-Bishop Co., Columbus, O.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Sandvik Saw & Tool Corp., Minneapolis, Minn. "Fish & Hook," "Sandvik" (Imported)
Simonds Saw & Steel Co., Fitchburg, Mass.
Skilsaw, Inc., Chicago, Ill.
Southern Saw Wks., Atlanta, Ga.
Thurston Mfg. Co., Providence, R. I. "Thurco"
Wallace (J. D.) & Co., Chicago, Ill.
White (L. & I. J.) Co., Div. of the Simonds-Worden-White Co., Dayton, O.

SAWS, Circular Mitre

Atkins (E. C.), & Co., Indianapolis, Ind.

SAWS, Compass

Atkins (E. C.), & Co., Indianapolis, Ind.
Batcheller Saw & Tool Co., Port Jervis, N. Y.
Central Hdw. Co., Phila., Pa.
Clemson Saw Co., Middletown, N. Y.
Decker (E. F.) Saw Works, Albany, N. Y.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Ennis Mfg. Co., Reading, Pa.
Kensington Hdw. & Tool Mfg. Co., (Germantown), Phila., Pa.
Ohlen Bishop Co., Columbus, O.
Thompson (Henry G.) & Son Co., New Haven, Conn. "Mil Flex Midget"

SAWS, Coping

Ackermann, Steffan & Co., Chicago, Ill. "Trojan"
Atkins (E. C.) & Co., Indianapolis, Ind.
Bridgeport Hdw. Mfg. Corp., Bridgeport, Conn. "Lead All," "Favorite"
Bullock Mfg. Associates, Div. of Parker Wire Goods Co., Worcester, Mass.
Consolidated Tool Works, 509 Madison Av., New York, N. Y. "Pilot"
Dikeman Mfg. Co., Norwalk, Conn.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Forsberg Mfg. Co., Bridgeport, Conn. "Whale"
Griffin (G. W.) Co., Franklin, N. H.
Hollander (Joseph) Mfg. Co., Bridgeport, Conn.
Metal Saw & Mach. Co., Springfield, Mass. "Napier"
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Parker Wire Goods Co., Worcester, Mass. "Parker Special," "Superior"

SAWS, Cross-Cut

Atkins (E. C.) & Co., Indianapolis, Ind. "American," "Auckland," "Common," "Dexter," "Diamond," "Eureka," Forester," "Hollow Back," "Lance," "Lone Star," "Meteor," "Perfection," "Redwood Falling," "Redwood King," "Rex," "Russian," "Segment Ground," "Silver Steel," "Tuttle," "Universal,'" "Victor"
Clemson Saw Co., Middletown, N. Y.
Curtis Saw Co., St. Louis, Mo.
Decker (Ernest F.) Saw Wks., Albany, N. Y.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa. "Beaver," "Bucking," "Buzz," "Cedar Savage," "Champion," "Felling," "Great American," "Henry," Kennelago," "Keystone Champion," "Keystone Triumph Diamond," "Keystone Triumph Great American," "Keystone Triumph Plain," "Lance Perforated," "Lumberman," "Nevada Bucking," "Nevada Felling," "Ozark," "Plain," "Tenon," "Triumph Champion," "Triumph Diamond," "Triumph Great American," "Triumph Plain," "Virginian," "Zip"
Menominee Saw Co., Menominee, Mich.
Ohlen-Bishop Co., Columbus, O.
Prouty (C.) & Co., Eldred, Pa.
Regina Corp., Rahway, N. J. (One-Man Device)
Sandvik Saw & Tool Corp., Minneapolis, Minn. "Fish & Hook," "Sandvik" (Imported)
Simonds Saw & Steel Co., Fitchburg, Mass. "Bay State," "Crescent Ground"
White (L. & I. J.) Co., Div. of the Simonds-Worden-White Co., Dayton, O.

SAWS, Dehorning

Atkins (E. C.) & Co., Indianapolis, Ind.
Batcheller Saw & Tool Co., Port Jervis, N. Y.
Clemson Saw Co., Middletown, N. Y.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Ohlen-Bishop Co., Columbus, O.
Simonds Saw & Steel Co., Fitchburg, Mass.

SAWS, Docking

Atkins (E. C.) & Co., Indianapolis, Ind.
Decker (Ernest F.) Saw Wks., Albany, N. Y.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Ohlen-Bishop Co., Columbus, O.
Simonds Saw & Steel Co., Fitchburg, Mass.

SAWS, Double Duty

Atkins (E. C.) & Co., Indianapolis, Ind.
Batcheller Saw & Tool Co., Port Jervis, N. Y.
Clemson Saw Co., Middletown, N. Y.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Ohlen-Bishop Co., Columbus, O.
Simonds Saw & Steel Co., Fitchburg, Mass.

SAWS, Dovetail

Atkins (E. C.) & Co., Indianapolis, Ind.
Batcheller Saw & Tool Co., Port Jervis, N. Y.
Clemson Saw Co., Middletown, N. Y.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Ohlen-Bishop Co., Columbus, O.
Simonds Saw & Steel Co., Fitchburg, Mass.

SAWS, Drag

Atkins (E. C.) & Co., Indianapolis, Ind. (Double Hook, Single Tooth, Tuttle Tooth)
Clemson Saw Co., Middletown, N. Y.
Decker (E. F.) Saw Wks., Albany, N. Y.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Ohlen-Bishop Co., Columbus, O.
Sandvik Saw & Tool Corp., Minneapolis, Minn. "Fish & Hook," "Sandvik" (Imported)
Simonds Saw & Steel Co., Fitchburg, Mass.

SAWS, Electric, Portable

Boettcher Co., 440 N. Peoria, Chicago, Ill.
Boice, William B. & John E., Toledo, O.
Carlisle Mould Wks., Millville, N. J. "Whirlwind"
Cresson-Morris Corp., Phila., Pa. (Combination)
Delta Specialty Co., Milwaukee, Wis.
DeWalt Products Corp., Leola, Lancaster Co., Pa.
Ephrata Mfg. Co., Ephrata, Pa. "Artizan"
Heston & Anderson, Fairfield, Ia.
Hutchinson Mfg. Co., Inc., Morristown, Ia. "Beaver"
Onan (D. W.) & Sons, Minneapolis, Minn. "Safety Saw"
Orangeville Mfg. Co., Orangeville, Pa.
Parks Woodworking Machine Co., Cincinnati, O.
Portable Power Tool Corp., Warsaw, Ind. "Power King" (Hand)
Porter-Cable-Hutchinson Corp., Syracuse, N. Y. "Speedmatic" (Hand)
Reed-Prentice Co., Worcester, Mass. "Wolf"
Ryerson (Jos. T.) & Son, Chicago, Ill.
Safe Tool Mfg. Co., Bridgeport, Pa.
Skilsaw, Inc., Chicago, Ill.
Stanley Electric Tool Co., New Britain, Conn. "Crowe"
Thomas & Nye, Inc., Warren, O.
Up-To-Date Mach. Wks., Chicago, Ill.
United States Electrical Tool Co., Cincinnati, O.
Van Dorn Electric Tool Co., Towson, Md.
Walker Turner Co., Inc., Plainfield, N. J. "Driver"
Wallace (J. D.) Co., Chicago, Ill. (Hand) "Universal"
Wappat, Inc., Div. of Simonds Saw & Steel Co., Pittsburgh, Pa. "Alta," "Little Alta" (Hand)
Whitney (Baxter D.) & Son, Inc., Winchendon, Mass.
Winterhoff Tool & Machine Co., Elkhart, Ind.
Wodack Electric Tool Corp., Chicago, Ill.
Wyzenbeck & Staff, Inc., Chicago, Ill. "Universal"

SAWS, Flooring

Atkins (E. C.) & Co., Indianapolis, Ind.
Batcheller Saw & Tool Co., Port Jervis, N. Y.
Clemson Saw Co., Middletown, N. Y.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Ohlen-Bishop Co., Columbus, O.
Simonds Saw & Steel Co., Fitchburg, Mass.

SAWS, Four-Cut

Clemson Saw Co., Middletown, N. Y.
Ohlen-Bishop Co, Columbus, O. "Bishop"
Simonds Saw & Steel Co., Fitchburg, Mass.

SAWS, Fret—See Saws, Scroll

SAWS, Grooving

Atkins (E. C.) & Co., Indianapolis, Ind.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Ohlen-Bishop Co., Columbus, O.

SAWS, Hack

Ackermann, Steffan & Co., Chicago, Ill. "Handy," "Trojan"
American Saw & Mfg. Co., Springfield, Mass. "Lenox"
Armstrong-Blum Mfg. Co., Chicago, Ill. (Power)
Atkins (E. C.) & Co., Indianapolis, Ind. "AAA," "AAA Non-Breakable," "All-Hard," "Blue End," "Silver Steel"
Barnes (W. O.) Co., Detroit, Mich.
Boker (H.) & Co., 101 Duane, New York, N. Y.
Bridgeport Hdw. Mfg. Corp., Bridgeport, Conn. "Klose Kut," "Matchless"
Clemson Bros., Inc., Middletown, N. Y. "Star," "Star Moly"
Crescent Tool Co., Jamestown, N. Y.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa. "Chromol," "Double-Flex," "Duraflex"
Forsberg Mfg. Co., Bridgeport, Conn. "Champion," "Whale"
Griffin (G. W.) Co., Franklin, N. H. "New Griffin"
Hanson, Henry L., Worcester, Mass.
Millers Falls-Goodell Pratt Co., Greenfield, Mass. "Universal"
Napier Saw Wks., Inc., Middletown, N. Y. "Quality"
Ohlen Bishop Co., Columbus, O.
Parker Wire Goods Co., Worcester, Mass. "Worcester Mechanic"
Picard (Georges) Co., Inc., 105 Water, New York, N. Y. "Kit-Haxaw"
Sandvik Saw & Tool Corp., Minneapolis, Minn. "Fish & Hook," "Sandvik" (Imported)
Simonds Saw & Steel Co., Fitchburg, Mass. "Red Streak"
Spartan Saw Wks., Springfield, Mass.
Starrett (L. S.) Co., Athol, Mass.
Thompson (Henry G.) & Son Co., New Haven, Conn. "Eureka," "Midget," "Milford," "Mil-flex," "T.T."
Victor Saw Works, Middletown, N. Y.

SAWS, Hack, Rotary

Atkins (E. C.) & Co., Indianapolis, Ind.
Misener Mfg. Co., Inc., Syracuse, N. Y.
Stanley Wks., New Britain, Conn.
United States Electrical Tool Co., Cincinnati, O.
Van Dorn Electric Tool Co., Towson, Md.

SAWS, Hand

Atkins (E. C.) & Co., Indianapolis, Ind. "AAA Silver Steel," "Four Hundred," "Junior Mechanic," "Home Builder," "Perfection," "Triple Duty," "Universal"
Batcheller Saw & Tool Co., Port Jervis, N. Y.
Clemson Saw Co., Middletown, N. Y.
Decker (E. F.) Saw Wks., Albany, N. Y.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa. "Blue Jacket," "Challenge," "Handy," "Imp," "Keystone," "Quaker City," "Vulcan"
Ennis Mfg. Co., Reading, Pa.
Ohlen-Bishop Co., Columbus, O. "Greyhound"
Sandvik Saw & Tool Corp., Minneapolis, Minn. "Fish & Hook," "Sandvik" (Imported)
Stanley Wks., New Britain, Conn. "Four Square"

SAWS, Handy Cut

Atkins (E. C.) & Co., Indianapolis, Ind.
Clemson Saw Co., Middletown, N. Y.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa. "Handy"
Ohlen-Bishop Co., Columbus, O.
Simonds Saw & Steel Co., Fitchburg, Mass.

SAWS, Ice

Atkins (E. C.) & Co., Indianapolis, Ind. (Pond Hand)
Batcheller Saw & Tool Co., Port Jervis, N. Y.
Chatillon (John) & Sons, 85 Cliff, New York, N. Y.
Clemson Saw Co., Middletown, N. Y.
Cocker Mfg. Co., Lockport, N. Y.
Curtis Saw Co., St. Louis, Mo.
Decker (E. F.) Saw Wks., Albany, N. Y.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Gerlach (Peter) Co., Cleveland, O.
Gruman Ice Tool Wks., Branchville, Conn.
Henderson, D., Dallas, Tex.
Ohlen-Bishop Co., Columbus, O.
Simonds Saw & Steel Co., Fitchburg, Mass.
Staatsburg Ice Tool Works, Staatsburg-on-the-Hudson, N. Y.

SAWS, Inserted Tooth

Atkins (E. C.) & Co., Indianapolis, Ind.
Cocker Mfg. Co., Lockport, N. Y.
Decker (E. F.) Saw Wks., Albany, N. Y.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Ohlen-Bishop Co., Columbus, O.
Simonds Saw & Steel Co., Fitchburg, Mass.
Southern Saw Works, Atlanta, Ga.

SAWS, Jig

Ackermann, Steffan & Co., Chicago, Ill. "Trojan"
Atkins (E. C.) & Co., Indianapolis, Ind.
Barnes (W. F. & John) Co., Rockford, Ill.
Beebe Bros., Inc., Seattle, Wash. "Little Cut-Up"
Boice, William B. & John E., Toledo, O.
Delta Specialty Co., Milwaukee, Wis.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Foley Mfg. Co., Minneapolis, Minn. "Electra-Keen"
Sandvik Saw & Tool Corp., Minneapolis, Minn. "Fish & Hook," "Sandvik" (Imported)
Up-To-Date Mach. Wks., Chicago, Ill. "Superior"
Walker-Turner Co., Inc., Plainfield, N. J. "Driver"
Wallace (J. D.) & Co., Chicago, Ill.

SAWS, Keyhole

Atkins (E. C.) & Co., Indianapolis, Ind.
Batcheller Saw & Tool Co., Port Jervis, N. Y.
Central Hardware Co., Phila., Pa.
Clemson Saw Co., Middletown, N. Y.
Decker (E. F.) Saw Wks., Albany, N. Y.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Ohlen-Bishop Co., Columbus, O.
Simonds Saw & Steel Co., Fitchburg, Mass.

SAWS, Kitchen

Atkins (E. C.) & Co., Indianapolis, Ind.
Batcheller Saw & Tool Co., Port Jervis, N. Y.
Central Hdw. Co., Phila., Pa.
Chatillon (John) & Sons, 85 Cliff, New York, N. Y.
Clemson Saw Co., Middletown, N. Y.
Decker (E. F.) Saw Wks., Albany, N. Y.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Greenfield Tap & Die Corp., Greenfield, Mass. "G T D"
Mechanics Tool & Wrench Co., Greenfield, Mass. "Nichols Bros."
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Ohlen-Bishop Co., Columbus, O.
Simonds Saw & Steel Co., Fitchburg, Mass.
Washburn Company, Worcester, Mass.
White (Ira F.) & Son Co., Bloomfield, N. J.

SAWS, Log

American Saw Mill Mach. Co., Hackettstown, N. J.
Atkins (E. C.) & Co., Indianapolis, Ind.
Ohlen-Bishop Co., Columbus, O.
Ottawa Mfg. Co., Ottawa, Kan.
Wade (R. M.) & Co., Portland, Ore.
Warner Steel Products Co., Ottawa, Kan.

SAWS, Manual Training

Atkins (E. C.) & Co., Indianapolis, Ind.
Batcheller Saw & Tool Co., Port Jervis, N. Y.
Clemson Saw Co., Middletown, N. Y.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Ohlen-Bishop Co., Columbus, O.
Simonds Saw & Steel Co., Fitchburg, Mass.

SAWS, Metal Cutting

Ackermann, Steffan & Co., Chicago, Ill. "Trojan"
American Saw & Mfg. Co., Springfield, Mass. "Lenox"
Armstrong-Blum Mfg. Co., Chicago, Ill.
Atkins (E. C.) & Co., Indianapolis, Ind.
Central Hardware Co., Phila., Pa.
Clemson Saw Co., Middletown, N. Y.
Decker (E. F.) Saw Wks., Albany, N. Y.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Greenfield Tap & Die Corp., Greenfield, Mass. "G T D"
Ohlen-Bishop Co., Columbus, O.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Simonds Saw & Steel Co., Fitchburg, Mass.
Standard Tool Co., Cleveland, O.
Thompson (Henry G.) & Son Co., New Haven, Conn.
Thurston Mfg. Co., Providence, R. I. "Thurco"

SAWS, Metal Slitting

Atkins (E. C.) & Co., Indianapolis, Ind.
Clemson Saw Co., Middletown, N. Y.
Continental Screw Co., New Bedford, Mass. "Holdtite"
Cowles Tool Co., Cleveland, O.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Greenfield Tap & Die Corp., Greenfield, Mass. "G T D"
National Twist Drill & Tool Co., Detroit, Mich.
Simonds Saw & Steel Co., Fitchburg, Mass.
Thurston Mfg. Co., Providence, R. I. "Thurco"
Union Twist Drill Co., Athol, Mass.

SAWS, Mitre Box

Atkins (E. C.) & Co., Indianapolis, Ind.
Batcheller Saw & Tool Co., Port Jervis, N. Y.
Clemson Saw Co., Middletown, N. Y.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Kensington Hdw. & Tool Mfg. Co., (Germantown), Phila., Pa.
Ohlen-Bishop Co., Columbus, O.
Simonds Saw & Steel Co., Fitchburg, Mass.
Stanley Wks., New Britain, Conn.

SAWS, Musical

Hopf, Geo. E., 7128 Gillespie (Tacony), Phila., Pa.

SAWS, Nest

Atkins (E. C.) & Co., Indianapolis, Ind.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Ohlen-Bishop Co., Columbus, O.

SAWS, Panel—See Saws, Rip

SAWS, Pattern Makers'

Atkins (E. C.) & Co., Indianapolis, Ind.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Ohlen-Bishop Co., Columbus, O.

SAWS, Plasterers'

Atkins (E. C.) & Co., Indianapolis, Ind.
Disston (Henry) & Sons, Inc. (Tacony), Phila, Pa.

SAWS, Plumbers'

Atkins (E. C.) & Co., Indianapolis, Ind.
Disston (Henry) & Sons, Inc. (Tacony), Phila, Pa.
Ohlen-Bishop Co., Columbus, O.

SAWS, Portable, Electric—See Saws, Electric, Portable

SAWS, Pruning

Atkins (E. C.) & Co., Indianapolis, Ind. "Duplex," "Forester," "Paragon," "Walnut"
Bartlett Mfg. Co., Detroit, Mich.
Batcheller Saw & Tool Co., Port Jervis, N. Y.
Central Hdw. Co., Phila., Pa. "Clover Leaf"
Clemson Saw Co., Middletown, N. Y.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa. "Little Giant"
Kensington Hdw. & Tool Mfg. Co. (Germantown), Phila., Pa.
Ohlen-Bishop Co., Columbus, O.
Rhodes Mfg. Co., Grand Rapids, Mich.
Simonds Saw & Steel Co., Fitchburg, Mass.
Smith (Seymour) & Son, Inc., Oakville, Conn.

SAWS, Pulp Wood

Atkins (E. C.) & Co., Indianapolis, Ind.
Disston (Henry) & Sons, Inc. (Tacony), Phila, Pa.
Sandvik Saw & Tool Corp., Minneapolis, Minn. "Fish & Hook," "Sandvik" (Imported)
Simonds Saw & Steel Co., Fitchburg, Mass.

SAWS, Rip

Atkins (E. C.) & Co., Indianapolis, Ind. "Four Hundred," "Universal"
Batcheller Saw & Tool Co., Port Jervis, N. Y.
Beach Mfg. Co., Montrose, Pa.
Clemson Saw Co., Middletown, N. Y.
Cocker Mfg. Co., Lockport, N. Y.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa. "Blue Jacket," "Challenge," "Imp," "Keystone," "Vulcan"
Ohlen-Bishop Co., Columbus, O.
Simonds Saw & Steel Co., Fitchburg, Mass.

SAWS, Scroll

Ackermann, Steffan & Co., Chicago, Ill. "Trojan"
Atkins (E. C.) & Co., Indianapolis, Ind.
Barnes (W. F. & John) Co., Rockford, Ill. (Motor Drives & Foot Power)
Beebe Bros., Inc., Seattle, Wash. "Little Cut-Up"
Boice, W. B. & J. E., Toledo, O.
Delta Specialty Co., Milwaukee, Wis.
Disston (Henry) & Sons, Inc. (Tacony), Phila, Pa.
Edge (Frank) Co., Grand Rapids, Mich.
Griffin (G. W.) Co., Franklin, N. H.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Ohlen-Bishop Co., Columbus, O. "Bishop"
Oliver Mchry. Co., Grand Rapids, Mich.
Simonds Saw & Steel Co., Fitchburg, Mass.
Trump Bros. Mach. Co., Wilmington, Del.
Up-To-Date Mach. Wks., Chicago, Ill. "Superior"
Walker-Turner Co., Inc., Plainfield, N. J. "Driver"

SAWS, Stair Builders'

Atkins (E. C.) & Co., Indianapolis, Ind.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Ohlen-Bishop Co., Columbus, O.

SAWS, Tool Box

Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.

SAWS, Whip and Pit

Atkins (E. C.) & Co., Indianapolis, Ind.

SAWS, Wood—See Saws, Buck

SCABBARDS, Axe—See Sheaths, Axe

SCAFFOLD BRACKETS—See Brackets, Scaffold

SCAFFOLDS, Masonary, Collapsible

Berg (John) Mfg. Co., Chicago, Ill.
Fuller (H. B.) Co., St. Paul, Minn.
Goshen Mfg. Co., Goshen, Ind.
Hubeny Brothers, Inc., Roselle, N. J. (Steel)
Superior Ladder Co., Goshen, Ind.
Swaine (John) Architectural Iron Wks., Springfield, Mass.
Tilley (John S.) Ladders Co., Inc., Watervliet, N.Y. (Portable)
Toledo Pressed Steel Co., Toledo, O.

SCALE BEAMS

Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"

SCALERS, Fish

Chatillon (John) & Sons, 85 Cliff, New York, N.Y.
Chicago Flexible Shaft Co., Chicago, Ill. "Stewart"
Enterprise Mfg. Co., Dept. HA, Akron, O. "Kleen"
Geuder, Paeschke & Frey Co., Milwaukee, Wis.
Grey Iron Casting Co., Mt. Joy, Pa.
Hills, Edwin, Plainville, Conn.
Horrocks-Ibbotson Co., Dept. S., Utica, N. Y.
Landers, Frary & Clark, New Britain, Conn. "Universal"
Mechanics Tool & Wrench Co., Greenfield, Mass.
National Brass Mfg. Co., Rochester, N. Y.
P.M.C. Mfg. Corp., Kingston, N. Y
Reading Saddle & Mfg Co., Reading, Pa.
Southington Hdw. Co., Southington, Conn.
Stortz (John) & Son, Phila., Pa.
Wallace Hdw. Co., Algonac, Mich.
Wrightsville Hdw. Co., Wrightsville, Pa.

SCALES, Baby

Chatillon (John) & Sons, 85 Cliff, New York, N. Y.
Continental Scale Wks., Chicago, Ill. "Infant-O-Meter," "Stork"
Hanson Scale Co., Chicago, Ill. "Auto Wate," "Way-Rite"
Jacobs Bros. Co., Inc., Washington & Water, B'klyn, N. Y. "Detecto-Lette"
Landers, Frary & Clark, New Britain, Conn. "Universal"

SCALES, Bath Room

Chatillon (John) & Sons, 85 Cliff, New York, N. Y.
Colson Co., Elyria, O.
Continental Scale Wks., Chicago, Ill.
Hanson Scale Co., Chicago, Ill. "Way-Rite," "Weighmaster"
Hollywood Scale & Mfg. Co., 1107 B'way, New York, N. Y.
Jacobs Bros. Co., Inc., Washington & Water, B'klyn, N. Y. "Detecto"
New England Scale Co., Boston, Mass.
Pelouze Mfg. Co., Chicago, Ill.

SCALES, Butchers'—See Scales, Counter

SCALES, Counter

American Stainless Knife Co., Chicago, Ill.
Buffalo Scale Co., Buffalo, N. Y.
Chatillon (John) & Sons, 85 Cliff, New York, N. Y. "Century," "Delcan"
Continental Scale Wks., Chicago, Ill. "Boston," "Union"
Dayton Scale Co., Dayton, O.
Fairbanks (E. & T.) & Co., St. Johnsbury, Vt.
Fairbanks, Morse & Co., Chicago, Ill.
Hanson Scale Co., Chicago, Ill. "Way-Rite"
Howe Scale Co., Rutland, Vt.
International Business Machines Corp., 270 B'way, New York, N. Y
Jacobs Bros. Co., Inc., Washington & Water, B'klyn, N. Y. "Enterprise"
Knowles Scale Wks., Lowell, Mass.
Landers, Frary & Clark, New Britain, Conn. "Columbia," "Universal"
Mojonnier Bros. Co., Chicago, Ill.
National Scale Co., Chicopee Falls, Mass.
Pelouze Mfg. Co., Chicago, Ill.
Reading Hdw. Co., Reading, Pa.
Smith Scale Co., Columbus, O.
Spencer's (S.) Sons, Guilford, Conn.
Standard Scale & Supply Co., Pittsburgh, Pa.
Stimpson Computing Scale Co., Louisville, Ky.
Toledo Scale Co., Toledo, O.
Triner Scale & Mfg. Co., Chicago, Ill.
Troemner, Henry, Phila., Pa.

SCALES, Family—See Scales, Household or Family

SCALES, Grocers'—See Scales, Counter

SCALES, Hardware—See Scales, Counter

SCALES, Health—See Scales, Bathroom

SCALES, Household or Family

(See also Scales, Counter)

American Stainless Knife Co., Chicago, Ill. "National"
Chatillon (John) & Sons, 85 Cliff, New York, N. Y. "Favorite"
Continental Scale Wks., Chicago, Ill.
Dayton Scale Co., Dayton, O.
Forschner (R. H.) Co., 230 3d Av., New York, N. Y. "Spring Balance"
Globe American Corp., Kokomo, Ind.
Hanson Scale Co., Chicago, Ill. "Auto Wate," "Way-Rite," "White House"
International Business Machines Corp., 270 B'way, New York, N. Y.
Jacobs Bros. Co., Inc., Washington & Water, B'klyn, N. Y. "Detecto-Watte"
Landers, Frary & Clark, New Britain, Conn. "Universal"
Pelouze Mfg. Co., Chicago, Ill. "De Luxe," "Kitchenette"
Schwartz (M.) & Sons Mfg. Co., Chicago, Ill.
Standard Scale & Supply Co., Pittsburgh, Pa. "Household"
Triner Scale & Mfg. Co., Chicago, Ill.

SCALES, Letter—See Scales, Postal

SCALES, MACHINISTS', Steel—See Rules, Machinists'

SCALES, Milk

American Scale Co., Kansas City, Mo.
Chatillon (John) & Sons, 85 Cliff, New York, N.Y.
Dayton Scale Co., Dayton, O.

SCALES, Milk (Continued)

Fairbanks, Morse & Co., Chicago, Ill.
Gaston's (N. B.) Sons Co., Beloit, Wis.
Hanson Scale Co., Chicago, Ill. "Way-Rite"
Howe Scale Co., 123 Lafayette, New York, N. Y.
James Mfg. Co., Fort Atkinson, Wis.
Landers, Frary & Clark, New Britain, Conn. "Universal"
Torsion Balance Co., 147 8th, Jersey City, N. J.

SCALES, Nursery—See Scales, Baby

SCALES, Parcel Post

(See also Scales, Postal)

American Stainless Knife Co., Chicago, Ill.
Buffalo Scale Co., 1200 Niagara, Buffalo, N. Y.
Chatillon (John) & Sons, 85 Cliff, New York, N.Y. "General Checker," "Twozone," "U. S."
Dayton Scale Co., Dayton, O.
Hanson Scale Co., Chicago, Ill. "Way-Rite"
Howe Scale Co., 123 Lafayette, New York, N. Y.
International Business Machines Corp., 270 B'way, New York, N. Y.
Jacobs Bros. Co., Inc., Washington & Water, B'klyn, N. Y.
Landers, Frary & Clark, New Britain, Conn. "Universal"
Pearsall Mfg. Co., Rochester, N. Y.
Standard Scale & Supply Co., Pittsburgh, Pa.
Toledo Scale Co., Toledo, O.
Triner Scale & Mfg. Co., Chicago, Ill.

SCALES, Platform, Portable

American Stainless Knife Co., Chicago, Ill.
American Scale Co., Kansas City, Mo.
Beckman Bros., Des Moines, Ia.
Buffalo Scale Co., Buffalo, N. Y.
Chatillon (John) & Sons, 85 Cliff, New York, N.Y.
Dayton Scale Co., Dayton, O.
Fairbanks (E. & T.) & Co., St. Johnsbury, Vt.
Fairbanks, Morse & Co., Chicago, Ill. "Victor"
Gaston Scale Co., Beloit, Wis.
Hanson Scale Co., Chicago, Ill. "Way-Rite"
Howe Scale Co., 123 Lafayette, New York, N. Y.
Jacobs Bros. Co., Inc., Washington & Water, B'klyn, N. Y.
Knowles Scale Wks., Lowell, Mass.
Toledo Scale Co., Toledo, O.

SCALES, Postal

(See also Scales, Parcel Post)

American Stainless Knife Co., Chicago, Ill.
Buffalo Scale Co., Buffalo, N. Y.
Chatillon (John) & Sons, 85 Cliff, New York, N.Y. "Favorite"
Dayton Scale Co., Dayton, O.
Fairbanks (E. & T.) & Co., St. Johnsbury, Vt.
Fairbanks, Morse & Co., Chicago, Ill.
Hanson Scale Co., Chicago, Ill. "Way-Rite"
Howe Scale Co., 123 Lafayette, New York, N. Y.
Jacobs Bros. Co., Inc., Washington & Water, B'klyn, N. Y.
Pearsall Mfg. Co., Rochester, N. Y.
Pelouze Mfg. Co., Chicago, Ill. "Columbian," "Commercial," "Crescent," "Fast Mail," "Mail Express," "National," "Parcel Post," "Standard," "Victor"
Standard Scale & Supply Co., Pittsburgh, Pa.
Toledo Scale Co., Toledo, O.
Triner Scale & Mfg. Co., Chicago, Ill. "Gem"

SCALLOP KNIVES—See Knives, Oyster and Clam

SCHOOL BELLS—See Bells, Church, Fire, Schoolhouse, Etc.

SCHOOL CHALK—See Crayons

SCHOOL CRAYONS—See Crayons

SCHOOL SLATES—See Slates, School

SCHOOL WARDROBES—See Lockers, Steel

SCISSORS

(See also Shears and Scissors)

Acme Shear Co., Bridgeport, Conn. "Americut," "Eversharp," "Oval," "Puritan"
Atlas Shear Co., Bridgeport, Conn.
Berridge Shear Co., Sturgis, Mich.
Boker (H.) & Co., 101 Duane, New York, N. Y. "Tree Brand"
Case (W. R.) & Sons Cutlery Co., Bradford, Pa.
Cattaraugus Cutlery Co., Little Valley, N. Y.
Clauss Shear Co., Fremont, O.
Clayton Mfg. Co., Bristol, Conn.
Compton (W. H.) Shear Co., 314 Camden, Newark, N. J.
Eversharp Shear Co., Bridgeport, Conn.
Heinisch (R.) Sons Wks., 109 Bruce, Newark, N.J.
Henckels (J. A.), Inc., 456 4th Ave., New York, N. Y. "Twin Brand," "Welkut"
Jeschke Wire Spec. Wks., Crawfordsville, Ind. (Wire)
Landers, Frary & Clark, New Britain, Conn. "Universal"
Remington Arms Co., Inc., Bridgeport, Conn.
Schnefel Bros., 684 S. 17th, Newark, N. J. "La Cross"
Solid Steel Scissor Co., Fort Smith, Ark.
Wallace (R.) & Sons' Mfg. Co., Wallingford, Conn.
Webster Co., North Attleboro, Mass.
Winchester Repeating Arms Co., New Haven, Conn.
Wiss (J.) & Sons Co., 29 Littleton Av., Newark, N. J.
Wostenholm (Geo.) & Son, 258 B'way, New York, N. Y.

SCISSORS, Manicure

(See also Sets, Manicure)

Bates (C. J.) & Son, Chester, Conn.
Boker (H.) & Co., 101 Duane, New York, N. Y.
Cattaraugus Cutlery Co., Little Valley, N. Y.
Clauss Shear Co., Fremont, O.
Compton (W. H.) Shear Co., 314 Camden, Newark, N. J.
Continental Mfg. Co., 37 W. 23rd, New York, N.Y.
Heinisch (R.) Sons Wks., 109 Bruce, Newark, N. J.
Henckels (J. A.), Inc., 456 4th Av., New York, N.Y. "Twin Brand," "Welkut"
Henkel Co., Fremont, O.
Hollinger Cutlery Co., Fremont, O.
Landers, Frary & Clark, New Britain, Conn. "Universal"
Remington Arms Co., Inc., Bridgeport, Conn.
Salm Mfg. Co., Torrance, Cal.
Schnefel Bros., 684 S. 17th, Newark, N. J. "La Cross"
Wiss (J.) & Sons Co., 29 Littleton Av., Newark, N. J.

SCISSORS, Sharpeners—See Sharpeners, Scissors

SCOOP HANDLES—See Handles, Scoop, Spade and Shovel

SCOOPS, Breakdown

American Fork & Hoe Co., Cleveland, O.
Ames, Baldwin, Wyoming Shovel Co., Parkersburg, W. Va.
Ingersoll Steel & Disc Co., New Castle, Ind.
Wood Shovel & Tool Co., Piqua, O.

SCOOPS, Coal Yard

American Fork & Hoe Co., Cleveland, O.
Ames, Baldwin, Wyoming Shovel Co., Parkersburg, W. Va.
C-K-R Co., Cleveland, O.
Ingersoll Steel & Disc Co., New Castle, Ind.
Wood Shovel & Tool Co., Piqua, O.

SCOOPS, Furnace

American Fork & Hoe Company, Cleveland, O.
Ames, Baldwin, Wyoming Shovel Co., Parkersburg, W. Va.
C-K-R Co., Cleveland, O. "Rittenhouse"
Franklin Equipment Co., Monticello, Ia.
Hall Mfg. Co., Cedar Rapids, Ia.
Ingersoll Steel & Disc Co., New Castle, Ind.
Wood Shovel & Tool Co., Piqua, O.

SCOOPS, Grain

American Fork & Hoe Co., Cleveland, O.
Ames, Baldwin, Wyoming Shovel Co., Parkersburg, W. Va.
Ingersoll Steel & Disc Co., New Castle, Ind.
Wood Shovel & Tool Co., Piqua, O.

SCOOPS, Grocers'

American Can Co., 230 Park Av., New York, N.Y.
Chatillon (John) & Sons, 85 Cliff, New York, N.Y. "Foster Bros."
Crescent Scoop Mfg. Co., Phila., Pa.
Geuder, Paeschke & Frey Co., Milwaukee, Wis.
Jacobs Bros. Co., Inc., Washington & Water, B'klyn, N. Y. "Sta-Brite"
Kraemer (A.), Inc., 307 Kent Av., B'klyn, N. Y.
Lalance & Grosjean Mfg. Co., Woodhaven, N. Y.
Michigan Wire Goods Co., Niles, Mich. "Androck"
National Enameling & Stamping Co., Milwaukee, Wis.
Philadelphia Scoop & Scale Mfg. Co., Phila., Pa.
Rochester Can Co., Rochester, N. Y. "Iron Horse"
Schlueter Mfg. Co., St. Louis, Mo.
Sexton Can Co., Everett, Mass.
Walker Plumbized Co., Batavia, N. Y.

SCOOPS, Household

Aluminum Goods Mfg. Co., Manitowoc, Wis.
Aluminum & Metal Products Corp., Buffalo, N. Y. "Magic"
Fargo Aluminum Co., Taunton, Mass.
Jacobs Bros. Co., Inc., Washington & Water, B'klyn, N. Y. "Sta-Brite"
National Enameling & Stamping Co., Milwaukee, Wis.
Reynolds Aluminum Co., New Washington, O.
Rochester Can Co., Rochester, N. Y. "Iron Horse"
Savory, Inc., 591 Ferry, Newark, N. J.
Schlueter Mfg. Co., St. Louis, Mo.
Sexton Can Co., Everett, Mass.
Utility Mfg. Co., Baltimore, Md.
Wagner Mfg. Co., Sidney, O.
Walker Plumbized Co., Batavia, N. Y.
Wallace Bros., Wallingford, Conn.

SCOOPS, Ice

Ames, Baldwin, Wyoming Shovel Co., Parkersburg, W. Va.
New York Stamping Co., N. 11th & Berry, B'klyn, N. Y.
Ray (Geo. A.) Mfg. Co., Buffalo, N. Y.
Staatsburg Ice Tool Works, Staatsburg-on-the-Hudson, N. Y.
Wagner Mfg. Co., Sidney, O.

SCOOPS, Ice Cream

Benedict Mfg. Co., East Syracuse, N. Y. "Indestructo"
Wagner Mfg. Co., Sidney, O.
Wallace Bros., Wallingford, Conn. "W.B.W."

SCOOPS, Potato—See Scoops, Vegetable, Etc.

SCOOPS, Locomotive

American Fork & Hoe Co., Cleveland, O.
Ames, Baldwin, Wyoming Shovel Co., Parkersburg, W. Va.
Ingersoll Steel & Disc Co., New Castle, Ind.
Wood Shovel & Tool Co., Piqua, O.

SCOOPS, Sand

American Fork & Hoe Co., Cleveland, O.
Ames, Baldwin, Wyoming Shovel Co., Parkersburg, W. Va.
Ingersoll Steel & Disc Co., New Castle, Ind.
Wood Shovel & Tool Co., Piqua, O.

SCOOPS, Vegetable

(See also Forks, Vegetable, Scoop)

Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Michigan Wire Goods Co., 111 2nd, Niles, Mich. "Androck," "Champion," "Sholder"
Sommer (John) Faucet Co., 32 Morris Av., Newark, N. J. "Star"

SCOOPS, Wooden

Crosman (G. A.) & Sons, Portland, Me. "Deering" (Snow)
Hooper Snow Shovel Co., Biddeford, Me. (Snow)
Sommer (John) Faucet Co., 32 Morris Av., Newark, N. J. "Star"

SCOOTERS

American-National Co., Toledo, O.
Auto-Wheel Coaster Co., Inc., North Tonawanda, N. Y.
Brown (E. C.) Co., Rochester, N. Y.
Colson Co., Elyria, O. "Fairy"
Corcoran Mfg. Co., Washington, Ind. "Cor-Cor"
Crown Machine Co., Indianapolis, Ind.
Dayton Toy & Specialty Co., Dayton, O "Son-ny"
Denning Mfg Co., Cleveland, O. (Sled Attachments) "Scooter Bobs"
Gardner Crib & Cradle Co., Gardner, Mass. "Joy Scooters"
Gem Crib & Cradle Co., Gardner, Mass.
Gendron Wheel Co., Toledo, O. "Flying Arrow" (Scooter Wagon), "Pioneer"
Globe Co., Sheboygan, Wis.
Hance Mfg. Co., Westerville, O.
Hemp & Co., Corp., St. Louis, Mo.
Herschel (R.) Mfg. Co., Peoria, Ill.
Hill-Standard Co., Anderson, Ind. "Irish Mail"
Janesville Products Co., Janesville, Wis. "Blackhawk," "Hummer," "Jiffy," "Nif-Tee," "Pilot"
Johnson (Iver) Arms & Cycle Wks., Fitchburg, Mass.
Keen Corp., Seattle, Wash. "See Me Go"
Kees (F. D.) Mfg. Co., Beatrice, Neb. "Brownie"
Keystone Lantern Co., Phila., Pa.
Kumfy-Kab Co., La Porte, Ind.
Metalcraft Corp., St. Louis, Mo.
Monarch Products Co., Tiffin, O.
Murray-Ohio Mfg. Co., Cleveland, O. "Steelcraft"
National Juvenile Vehicle Co., Cleveland, O. (Steel)
Noblitt-Sparks Industries, Inc., Indianapolis, Ind. "Dan Patch"
Powell Pressed Steel Co., Hubbard, O. "De Luxe Skeeters" (Also for Ice & Snow) "Skeeters"
Schiller Piano Co., Oregon, Ill. "Aero"
Schmid Bros., Lancaster, Pa.
Sheboygan Coaster & Wagon Wks., Sheboygan, Wis.
Standard Safety Corp., Los Angeles, Cal. "Springo"
Starline, Inc., Harvard, Ill. "Cannon Ball," "Overland"
Steel Stamping Co., Lorain, O.
Toledo Metal Wheel Co., Toledo, O. "Blue Streak"
United Mfg. Co., Inc., Phila., Pa. "Mercury"
Western Toy Co., Detroit, Mich.
White (H. C.) Co., North Bennington, Vt. "Kiddie-Skooter"

SCOUT AXES—See Axes, Boy Scout, Forged Steel

SCOUT KNIVES—See Knives, Hunting; also Knives, Pocket

SCOUT LANTERNS—See Lanterns, Scout

SCRAPERS, Barn—See Cleaners, Sidewalk

SCRAPERS, Bearing

American Swiss File & Tool Co., Elizabeth, N. J.
Albert Tool Co., Mercer, Pa.
Buffum (Frank G.) Mfg. Co., Louisiana, Mo.
Fairmount Tool & Forging Co., Cleveland, O.
Grobet File Corp. of America, 3 Park Pl., New York, N. Y.
Kraeuter & Co., 583 18th Av., Newark, N. J.
Marcy Tool Wks., Putnam, Conn.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Nicholson File Co., Providence, R. I.
Osborne (C. S.) & Co., Box 183, Newark, N. J.
Pilley Packing & Flue Brush Mfg. Co., St. Louis, Mo.
Plomb Tool Co., Los Angeles, Cal.
Southington Mfg. Co., Southington, Conn. "Pioneer"
Tiffany (Carroll R.) Conklin, N. Y. "Ace"
Tuck Mfg. Co., Brockton, Mass.
Vlchek Tool Co., 2006 E. 8th, Cleveland, O.

SCRAPERS, Belt

Atkins (E. C.) & Co., Indianapolis, Ind.
Snell-Atherton-Norcross Co., Brockton, Mass.

SCRAPERS, Bench—See Scrapers, Cabinet and Bench

SCRAPERS, Box

Atkins (E. C.) & Co., Indianapolis, Ind.
Bradley (A. J.) Mfg. Co., 101 Beekman, New York, N. Y.
Bridgeport Hdw. Mfg. Corp., Bridgeport, Conn. "Dandy," "Perfection"
Carver Tool Wks., Spring Valley, N. Y.
Chapin-Stephens Co., Pine Meadows, Conn.
Cincinnati Tool Co., Montgomery Rd., Cincinnati, O. "Hargrave"
Dicke Tool Co., Downers Grove, Ill.
Drew (C.) & Co., Kingston, Mass.
Ideal Stencil Machine Co., Belleville, Ill.
Johnson (William), Inc., 36 Brenner, Newark, N. J.
Kraeuter & Co., 583 18th Av., Newark, N. J.
Marine Hdw. & Equipment Co., South Portland, Me. "Acme," "Mheco"
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Sargent & Co., New Haven, Conn.
Sayre (L. A.) Co., 332 Mulberry, Newark, N. J.
Stanley Works, New Britain, Conn.
Starrett (L. S.) Co., Athol, Mass.
Stortz (John) & Son, Phila., Pa.
U. S. Bottlers' Machy. Co., Chicago, Ill. "Marxoff"
Vaughan & Bushnell Mfg. Co., Chicago, Ill. "V. & B."
Vosco Tool Co., Phila., Pa. "Duo Blade"
Weston, Thos. B., Green, Baltimore, Md.
Wilcox, Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.

SCRAPERS, Butchers' Block

Atkins (E. C.) & Co., Indianapolis, Ind.
Batcheller Saw & Tool Co., Port Jervis, N. Y.
Chatillon (John) & Sons, 85 Cliff, New York, N.Y. "Foster Bros."
Disston (Henry) & Sons, Inc., (Tacony), Phila., Pa.
Ohlen-Bishop Co., Columbus, O.
Simonds Saw & Steel Co., Fitchburg, Mass.
Starrett (L. S.) Co., Athol, Mass.
Stortz (John) & Son, Phila., Pa.
Vaughan & Bushnell Mfg. Co., Chicago, Ill.
Village Blacksmith Folks, Watertown, Wis.
White (L. & I. J.) Co., Div. Simonds-Worden-White Co., Dayton, O.
Worcester Brush & Scraper Co., Worcester, Mass. "Monarch"

SCRAPERS, Cabinet and Bench

Atkins (E. C.) & Co., Indianapolis, Ind. (French, Concave & Convex)
Batcheller Saw & Tool Co., Port Jervis, N. Y.
Bridgeport Hdw. Mfg. Corp., Bridgeport, Conn.
Buckeye Mfg. & Foundry Co., Cleveland, O.
Decker (E. F.) Saw Wks., Albany, N. Y.
Dikeman Mfg. Co., Norwalk, Conn.
Disston (Henry) & Sons, Inc., (Tacony), Phila., Pa.
Fox Supply Co., Brooklyn, Wis.
Grobet File Corp. of America, 3 Park Pl., New York, N. Y.
Hook Scraper Co., Queens Village, Long Island, N. Y.
Laughlin (Thos.) Co., Portland, Me.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Ohlen-Bishop Co., Columbus, O.
Ridgely Trimmer Co., Springfield, O.
Sandvik Saw & Tool Corp., Minneapolis, Minn. "Fish & Hook," "Sandvik" (Imported)
Sargent & Co., New Haven, Conn.
Simonds Saw & Steel Co., Fitchburg, Mass.
Smith (Landon P.), Inc., 130 Coit, Irvington, N. J. "Red Devil"
Stanley Works, New Britain, Conn.
Starrett (L. S.) Co., Athol, Mass.
Stearns (E. C.) & Co., Syracuse, N. Y.
Stortz (John) & Son, Phila., Pa.
Tuck Mfg. Co., Brockton, Mass.
Vaughan & Bushnell Mfg. Co., Chicago, Ill.
Vosco Tool Co., Phila., Pa. "Duo Blade"

SCRAPERS, Carbon

Buffum (Frank G.) Mfg. Co., Louisiana, Mo.
Chicago Tool & Kit Mfg. Co., Chicago, Ill.
Eclipse Metal Mfg. Co., Eden, N. Y. "Emmco"
Flexible Carbon Scraper Co., Los Angeles, Cal.
Grobet File Corp. of America, 3 Park Pl., New York, N. Y.
Marcy Tool Wks., Putnam, Conn.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Milwaukee Tool & Forge Co., So. Milwaukee, Wis.
Mound Tool Co., St. Louis, Mo.
Osborne (C. S.) & Co., Box 183, Newark, N. J.
Oxford Tool Co., Phila., Pa.
Plomb Tool Co., Los Angeles, Cal.
Stanley Wks., New Britain, Conn.
Tiffany (Carroll R.) Conklin, N. Y. "Ace"
Truth Tool Co., Mankato, Minn.
Vaughan & Bushnell Mfg. Co., Chicago, Ill.
Worcester Brush & Scraper Co., Worcester, Mass.

SCRAPERS, Chicken Coop

American Fork & Hoe Co., Cleveland, O. "True Temper"
C-K-R Company, Cleveland, O. "Little Giant"
Cyclone Mfg. Co., Urbana, Ind. "Handy-Andy"
Gray Mfg. Co., Oakland, Cal. "Best-Ho"
Hoeft & Co., Inc., North Chicago, Ill. "Moe's"
Iwan Bros., South Bend, Ind.
Starline, Inc., Harvard, Ill.
Union Fork & Hoe Co., Columbus, O.

SCRAPERS, Crumb—See Trays, Crumb

SCRAPERS, Deck and Tree

Bartlett Mfg. Co., Detroit, Mich.
Chapin-Stephens Co., Pine Meadow, Conn.
Drew (C.) & Co., Kingston, Mass.
Laughlin (Thos.) Co., Portland, Me.
Leetonia Tool Co., Leetonia, O.
Mack & Co., Rochester, N. Y. "D. R. Barton"
Marine Hdw. Equipment Co., South Portland, Me. "Acme," "Mheco"
Mechanics Tool & Wrench Co., Greenfield, Mass.
Stortz (John) & Son, Phila., Pa.
Union Fork & Hoe Co., Columbus, O. (Deck)
Vaughan & Bushnell Mfg. Co., Chicago, Ill. "V. & B."
White (L. & I. J.) Co., Div. Simonds-Worden-White Co., Dayton, O.
Wilcox, Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.

SCRAPERS, Drag

American Steel Scraper Co., Sidney, O. "Banner," "California Type," "Conqueror," "Contractor's Special," "Fresno," "Imperial," "Improved Champion," "Slusser," "Super," "Victor"
Asheboro Wheelbarrow Co., Asheboro, N. C.
Austin Western Road Mchy. Co., Chicago, Ill. "Aurora"
Case Crane & Kilbourne Jacobs Co., Columbus, O. "Boss," "Columbus," "Cub"
Donaldson Bros., Mt. Clemens, Mich. "No. 4," "No. 5 Doan"
Fairbanks Co., 393 Lafayette, New York, N. Y.
General Wheelbarrow Co., Cleveland, O. "Akron"
Herschel (R.) Mfg. Co., Peoria, Ill.
Holt Mfg. Co., Stockton, Cal.
Jackson Mfg. Co., Harrisburg, Pa.
Lansing Co., Lansing, Mich. "Ingham," "King," "Michigan"
Lehr Co., Fremont, O.
Orangeville Mfg. Co., Orangeville, Pa. (Wood)
Randolph (H. C.), Jonesville, Wis.
Sidney Steel Scraper Co., Sidney, O. "Haslup"
Smith & Sons Mfg. Co., Kansas City, Mo. "Royal"
Stockland Road Machy. Co., Minneapolis, Minn "Northwest"
Stroud & Co., Omaha, Neb.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Toledo Wheelbarrow Co., Toledo, O.
Western Wheeled Scraper Co., Aurora, Ill. "Illinois"

SCRAPERS, Floor

(See also Machines, Floor, Electric)

Acme Scraper Co., Phila., Pa.
Atkins (E. C.) & Co., Indianapolis, Ind. "Perfection" "Rams Horn"
Batcheller Saw & Tool Co., Port Jervis, N. Y.
Bridgeport Hdw. Mfg. Corp., Bridgeport, Conn.
Crescent Scoop Mfg. Co., Phila., Pa.
Cyclone Mfg. Co., Ubrana, Ind. "Handy-Andy"
Dikeman Mfg. Co., Norwalk, Conn.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Ely Mfg. Co., Girard, Pa.
Foote (J. B.) Foundry Co., Fredericktown, O.
Fox Supply Co., Brooklyn, Wis.
Grobet File Corp. of America, 3 Park Pl., New York, N. Y.
Hook Scraper Co., Queens Village, Long Island, N. Y.
Hyde Mfg. Co., Southbridge, Mass.
Kees (F. D.) Mfg. Co., Beatrice, Neb. "Janitor Jr."
Lincoln-Schlueter Floor Machinery Co., Inc., Chicago, Ill.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Nicholls Mfg. Co., Ottumwa, Ia.
Oxford Tool Co., Phila., Pa.
Plomb Tool Co., Los Angeles, Cal. "Common Sense"
Stanley Works, New Britain, Conn.
Starrett (L. S.) Co., Athol, Mass.
Stearns (E. C.) & Co., Syracuse, N. Y. "Little Giant," "Stearns Ecsco"
Stortz (John) & Son, 210 Vine, Phila., Pa.
Vaughan & Bushnell Mfg. Co., Chicago, Ill. "V. & B."
Vosco Tool Co., Phila., Pa. "Duo Blade"

SCRAPERS, Flue

Gem Mfg. Co., Pittsburgh, Pa.
Hess (Chas.) Co., 49-14 Metropolitan Av., B'klyn, N. Y.
Osborn Mfg. Co., Cleveland, O.
Parker Wire Goods Co., Worcester, Mass.
Pilley Packing & Flue Brush Mfg. Co., St. Louis, Mo.
Worcester Brush & Scraper Co., Worcester, O.

SCRAPERS, Foot

Arcade Mfg. Co., Freeport, Ill.
Braun (J. G.) Co., Chicago, Ill.
Grey Iron Casting Co., Mt. Joy, Pa.
McKinney Mfg. Co., Pittsburgh, Pa.
Metal Bound Brush & Broom Co., Cincinnati, O. "No-Trax"
National Mfg. Co., Sterling, Ill. "Upright"
Pratt (Wm. E.) Mfg. Co., Chicago, Ill.
Reading Hdw. Co., Reading, Pa.
Richards-Wilcox Mfg. Co., Aurora, Ill.
Sargent & Co., New Haven, Conn.
Stearns (E. C.) & Co., Syracuse, N. Y.
Sterling Foundry Co., Sterling, Ill.
Stewart Iron Works Co., Inc., 814 Stewart Block, Cincinnati, O.
Stover Mfg. & Engine Co., Freeport, Ill.
Weller Hdw. & Foundry Co., Horseheads, N. Y.
Wrightsville Hdw. Co., Whightsville, Pa.

SCRAPERS, Foot, Automobile

Arcade Mfg. Co., Freeport, Ill.
Grey Iron Casting Co., Mt. Joy, Pa.
Illinois Brass Mfg. Co., Chicago, Ill.
International Stamping Co., Chicago, Ill.
Mazura Mfg. Co., St. Louis, Mo.
National Mfg. Co., Sterling, Ill. "Upright"
Peck, Stow & Wilcox, Southington, Conn. "Pexto"
Pratt (Wm. E.) Mfg. Co., Chicago, Ill.
Reading Hdw. Co., Reading, Pa.
Richards-Wilcox Mfg. Co., Aurora, Ill.
Ritch & Pidge Mfg. Co., Fultonville, N. Y. "Peerless"
Stanwood Equipment Co., Chicago, Ill.
Stearns (E. C.) & Co., Syracuse, N. Y.
Sterling Foundry Co., Sterling, Ill.
Stover Mfg. & Engine Co., Freeport, Ill.
Weller Hdw. & Foundry Co., Horseheads, N. Y.
Wrightsville Hdw. Co., Wrightsville, Pa.

SCRAPERS, Hog

Chatillon (John) & Sons, 85 Cliff, New York, N. Y.
Hessler (H. E.) Co., Syracuse, N. Y.
Mechanics Tool & Wrench Co., Greenfield, Mass.
Ohlen-Bishop Co., Columbus, O.
Peck, Stow & Wilcox, Southington, Conn. "Pexto"
Rollman Mfg. Co., Lancaster, Pa.
Troy File Wks., Troy, N. Y. "Troy-Best"
Vaughan & Bushnell Mfg. Co., Chicago, Ill.
White (L. & I. J.) Co., Div. of the Simonds-Worden-White Co., Dayton, O.

SCRAPERS, Ice—See Scrapers, Sidewalk

SCRAPERS, Kettle—See Scrapers, Pot and Kettle

SCRAPERS, Paint

Acme Scraper Co., Phila., Pa.
Batcheller Saw & Tool Co., Port Jervis, N. Y.
Buffalo Knife Co., Buffalo, N. Y.
Cattaraugus Cutlery Co., Little Valley, N. Y.
Dormeyer (A. F.) Mfg. Co., Chicago, Ill. "Marvel," "Wizard-on-Glass"
Eclipse Metal Mfg. Co., Eden, N. Y. "Emmco"
Ericsson Screw Machine Products Co., Inc., 607 Bergen Av., Brooklyn, N. Y.
Flash Mechanical Devices, Inc., 126 Liberty, New York, N. Y.
Handy Things Mfg. Co., Ludington, Mich.
Hood Bros., Oxford St., Phila., Pa.
Hook Scraper Co., Queens Village, Long Island, N. Y.
Hyde Mfg. Co., Southbridge, Mass. "Moon," "Wizard"
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass. "Anchor"
Murphy's (Robert) Sons Co., Ayer, Mass. "Temperite"
Ohlen-Bishop Co., Columbus, O.
Ontario Knife Co., Franklinville, N. Y. "Tru-Edge"
Parker Wire Goods Co., Worcester, Mass.
Pederson (J.) Mfg. Co., Bridgeport, Conn.
Pressed Metal Products Co., Cleveland, O.

SCRAPERS, Paint (Continued)

Ridgely Trimmer Co., Springfield, O. "Ridgelite"
Russell (John) Cutlery Wks., Turners Falls, Mass.
Rustless Rule Co., Inc., Buffalo, N. Y. "Clean Scrape"
Seed Filter & Mfg. Co., 353 B'way, New York, N. Y. "Seeco"
Smith (Landon P.) Inc., 130 Coit, Irvington, N. J. "Red Devil" (Glass)
Stanley Wks., New Britain, Conn.
Voos Co., Inc., New Haven, Conn.
Vosco Tool Co., Phila., Pa.

SCRAPERS, Plumbers'

(See also Scrapers, Box)

Atkins (E. C.) & Co., Indianapolis, Ind.
Atlas-Ansonia Co., New Haven, Conn. "Sanford"
Bridgeport Hdw. Mfg. Corp., Bridgeport, Conn.
Carver Tool Wks., Spring Valley, N. Y.
Chapin-Stephens Co., Pine Meadow, Conn.
Dicke Tool Co., Downers Grove, Ill.
Drew (C.) & Co., Kingston, Mass.
Johnson (William), Inc., 36 Brenner, Newark, N. J.
Kraeuter & Co., 575 18th Av., Newark, N. J.
Maine Steel Products Co., South Portland, Me.
Osborne (C. S.) & Co., Box 183, Newark, N. J.
Sayre (L. A.) Co., 332 Mulberry, Newark, N. J.
Stortz (John) & Son, Phila., Pa.
Wilcox, Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.

SCRAPERS, Pot and Kettle

C-K-R Company, Cleveland, O.
Dormeyer (A. F.) Mfg. Co., Chicago, Ill. "Wizard"
Harrington Cutlery Co., Southbridge, Mass. "Dexter"
Rocky Hill Hdw. Co., Rocky Hill, Conn.
Royal Mfg. Co., Phila., Pa.
Stortz (John) & Son, Phila., Pa.
Vaughan Novelty Mfg. Co., Chicago, Ill. "Gem"
Washburn Company, Worcester, Mass.

SCRAPERS, Road—See Scrapers, Drag

SCRAPERS, Sidewalk

(See also Cleaners, Sidewalk)

American Fork & Hoe Co., Cleveland, O. "True Temper"
C-K-R Company, Cleveland, O. "Little Giant"
Columbian Cutlery Co., Reading, Pa.
Columbus Handle & Tool Corp. Works of the National Handle Co., Columbus, Ind.
Cyclone Mfg. Co., Urbana, Ind. "Handy-Andy"
Geyer Mfg. Co., Rock Falls, Ill.
Hall Mfg. Co., Cedar Rapids, Ia.
Johnson Gas Appliance Co., Cedar Rapids, Ia. "Siclone"
Union Fork & Hoe Co., Columbus, O.

SCRAPERS, Tree—See Scrapers, Deck and Tree

SCRAPERS, Wall

Atkins (E. C.) & Co., Indianapolis, Ind.
Atlas-Ansonia Co., New Haven, Conn. "Sanford"
Batcheller Saw & Tool Co., Port Jervis, N. Y.
Buffalo Knife Co., Buffalo, N. Y.
Bullock Mfg. Associates, Div. of Parker Wire Goods Co., Worcester, Mass.
C-K-R Company, Cleveland, O.
Central Hdw. Co., Phila., Pa.
Chatillon (John) & Sons, 85 Cliff, New York, N. Y.
Consolidated Tool Wks., 509 Madison Av., New York, N. Y. "Pilot"
Crescent Scoop Mfg. Co., Phila., Pa.
Decker (E. F.) Saw Wks., Albany, N. Y.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Dormeyer (A. F.) Mfg. Co., Chicago, Ill. "Wizard"
Economy Mfg. Co., Phila., Pa.
Ennis Mfg. Co., Reading, Pa.
Gray Iron Fdry. Co., Reading, Pa.
Handy Things Mfg. Co., Ludington, Mich.
Landers, Frary & Clark, New Britain, Conn. "Universal"
Mechanics Tool & Wrench Co., Greenfield, Mass.
Murphy's (Robert) Sons Co., Ayer, Mass. "Temperite"
Ohlen-Bishop Co., Columbus, O.
Ontario Knife Co., Franklinville, O. "Tru-Edge"
Parker Wire Goods Co., Worcester, Mass.
Plymouth Stamped Metal Co., Galion, O.
Ridgely Trimmer Co., Springfield, O.
Southington Hdw. Co., Southington, Conn.
Stortz (John) & Son, Phila., Pa.
United States Cutlery Co., 2 Main, Belleville, N. J.
Village Blacksmith Folks, Waterton, Wis.
Washburn Company, Worcester, Mass.

SCRAPERS, Wire

Austin (M. B.) Co., Chicago, Ill.
Dicke Tool Co., Downers Grove, Ill. "Perry"
Electric Tool Co., Chicago, Ill. "P. & G."
Klein (Mathias) & Sons, 3200 Belmont Av., Chicago, Ill. "Goehst"
Millers Tool & Mfg. Co., Springfield, Mass.
Pyramid Products Co., Chicago, Ill.

SCRAPING KNIVES—See Knives, Scraping

SCRATCH AWLS—See Awls, Scratch

SCRATCH and MAR REMOVERS—See Removers, Mar and Scratch

SCREEN CLOTH—See Cloth, Wire, Black, Brass, Bronze, Copper, Galvanized, Etc.

SCREEN CLOTH, Cotton—See Cloth, Screen, Cotton

SCREEN DOOR BRACES—See Braces, Door, Screen

SCREEN DOOR CATCHES—See Catches, Cupboard, Door, Screen Door, Etc.

SCREEN DOOR CHECKS—See Checks, Door, Screen

SCREEN DOOR GRILLES—See Grilles, Screen Door

SCREEN DOOR HARDWARE

Agee Screen Co., Ft. Worth, Tex.
Barrows Lock Works of Yale & Towne Mfg. Co., Lockport, Ill.
Bommer Spring Hinge Co., 263 Classon Av., B'klyn, N. Y.
Champion Hdw. Co., Geneva, O.
Corbin, P. & F., New Britain, Conn.
Fiwale Equipment Mfg. Co., Inc., 64 Reade, New York, N. Y.
Hager (C.) & Sons Hinge Mfg. Co., St. Louis, Mo.
Holden (A. S.), Inc., Cleveland, O.
Independent Lock Co., Fitchburg, Mass.
McKinney Mfg. Co., Pittsburgh, Pa.
National Brass Co., Grand Rapids, Mich.
National Mfg. Co., Sterling, Ill.
New Britain Tool & Mfg. Co., Inc., New Britain, Conn.
Norwalk Lock Co., 12 Warren, New York, N. Y.
Parker Wire Goods Co., Worcester, Mass.
Penn Hdw. Co., Reading, Pa.
Pressed Metal Products Co., Cleveland, O.
Reading Hdw. Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sager Lock Works of Yale & Towne Mfg. Co., North Chicago, Ill.
Sargent & Co., New Haven, Conn.
Sharon Hdw. Mfg. Co., Sharon, Pa.
Shelby Spring Hinge Co., Shelby, O.
Stanley Wks., New Britain, Conn.
Stearns (E. C.) & Co., Syracuse, N. Y. "Stearns Ecsco"
Yale & Towne Mfg. Co., Stamford, Conn.

SCREEN DOOR HINGES—See Hinges, Door, Screen

SCREEN DOOR LATCHES — See Latches, Door, Screen

SCREEN DOOR PULLS—See Pulls, Door, Screen

SCREEN DOOR SETS—See Sets, Door, Screen

SCREEN DOOR SPRINGS—See Springs, Door, Screen

SCREEN DOORS—See Screens, Window and Door

SCREEN ENAMELS—See Enamels, Screen

SCREEN FRAME CORNERS—See Corners, Screen Frame

SCREEN NAILS—See Nails, Screen or Numeral

SCREEN PAINTS—See Paints, Screen

SCREEN PATCHES—See Patches, Screen

SCREEN SPRINGS—See Springs, Screen

SCREENS, Coal, Sand, Etc.

Buffalo Wire Wks. Co., Buffalo, N. Y.
Jelliff (C. O.) Mfg. Corp., Southport, Conn.
Jelliff (Geo. H.) & Son, New Canaan, Conn.
Lansing Co., Lansing, Mich.
Meyers (Fred J.) Mfg. Co., Hamilton, O.
Michigan Wire Cloth Co., Detroit, Mich. (Manganese Steel)
Newark Wire Cloth Co., 351 Verona Av., Newark, N. J.
Smith (F. P.) Wire & Iron Works, Chicago, Ill.
Union Steel Products Co., Albion, Mich.
Wickwire Spencer Steel Co., 41 E. 42nd, New York, N. Y.

SCREENS, Door—See Screens, Window and Door

SCREENS, Fire Place

(See also Guards, Spark)

Acme Metal Mfg. Co., Chicago, Ill.
Adams Co., Dubuque, Ia.
Boston Brass Andiron Co., Boston, Mass.
Buffalo Wire Wks. Co., Buffalo, N. Y.
Chamberlain Metal Weather Strip Co., Inc., Detroit, Mich. "Nu-Stile"
Chattanooga Implement & Mfg. Co., Chattanooga, Tenn.
Colonial Fireplace Co., Chicago, Ill.
Cutler Mfg. Co., Everett, Boston, Mass.
Howes (S. M.) Co., Boston, Mass.
Jackson (Edwin A.) & Bro., 50 Beekman, New York, N. Y.
Janusch Mfg. Co., 282 E. 135th, New York, N. Y.
Klauer Mfg. Co., Dubuque, Ia.
Meyers (Fred J.) Mfg. Co., Hamilton, O.
Ohio Foundry & Mfg. Co., Steubenville, O.
Stewart Iron Wks. Co., Inc., 814 Stewart Block, Cincinnati, O.
Stover Mfg. & Engine Co., Freeport, Ill.
Swett (A. L.) Iron Wks., Medina, N. Y.
Washburn Company, Worcester, Mass.
Weber (M.) Co., Dayton, O.

SCREENS, Gravel—See Screens, Coal, Sand, Etc.

SCREENS, Roller, Window—See Screens, Window, Roller

SCREENS, Sand—See Screens, Coal, Sand, Etc.

SCREENS, Window and Door

Agee Screen Co., Ft. Worth, Tex.
American Sash & Door Co., Kansas City, Mo.
American Screen Co., Brookline, Mass.
Apex Mfg. Co., Inc., Syracuse, N. Y.
Atlanta Stove Wks., Atlanta, Ga.
Beh & Co., 1140 B'way, New York, N. Y. "Diamond E"
Bostwick-Goodell, Norwalk, O. "B-G," "Venetian"
Burlington Venetian Blind Co., Burlington, Vt.
Burrows (E. T.) Co., Portland, Me.
Carr, Ryder & Adams Co., Dubuque, Ia.
Carr & Young Co., Des Moines, Ia.
Carter Mfg. Co., Keokuk, Ia.
Chamberlain Metal Weather Strip Co., Inc., Detroit, Mich.
Cincinnati Fly Screen Co., Cincinnati, O.
Continental Screen Co., Detroit, Mich. "Owosso," "Philadelphia," "Porter," "Wabash" (Storm Comb)
Curtis & Yale Co., Wausau, Wis.
Darby Steel Equipment Co., Phila., Pa.
Farley & Loetscher Mfg. Co., Dubuque, Ia.
Fish (A. E.) & Co., Keene, N. H.
Freeman (Chas. A.) Mfg. Co., Boston, Mass.
Frost Electric Screen Co., Spokane, Wash. (Electric)
Geneva Mfg. Co., Geneva, Ill.
Gordon Vantine Co., Davenport, Ia.
Grand Rapids Lumber Co., Grand Rapids, Mich.
Grand Rapids Screen Co., Grand Rapids, Mich.
Higgin Mfg. Co., Newport, Ky.
Hillsdale Screen Co., Hillsdale, Mich.
Hipolito Screen & Sash Co., Los Angeles, Cal.
Huebner Screen Door Co., Farnsworth, Detroit, Mich.
Johnson Metal Products Co., Erie, Pa.
Koehl (J. W.) & Son, Los Angeles, Cal.
Lidseen, Gustave, Chicago, Ill. "Clear View"
Lookout Planing Mills, Chattanooga, Tenn.
McClelland Co., Davenport, Ia.
McPhee & McGinnity Co., Denver, Colo.
Metallic Mfg. Co., Collins, Wis. "Metco"
Michigan Wire Cloth Co., Detroit, Mich.
Monarch Screen & Mfg. Co., Los Angeles, Cal.
Morgan Co., Oshkosh, Wis.
National Screen Co., Suffolk, Va.
National Screen & Mfg. Co., Cincinnati, O.
New Jersey Wire Cloth Co., Trenton, N. J.
Newark Weather Strip & Screen Co., 7 Nevada, Newark, N. J.
Parlee (H. C.) & Co., Boston, Mass. "Fliscreen"
Parr Lumber Co., St. Johns, Mich.
Pennsylvania Woven Wire Co., Lock Haven, Pa.
Phenix Mfg. Co., Milwaukee, Wis.
Philadelphia Screen Mfg. Co., Phila., Pa.
Prentice (F. W.) Co., Adrian, Mich.
Protective Ventilator & Screen Corp., 710 11th Av., New York, N. Y.
Reed (Evan L.) Mfg. Co., Danville, Ill.
Robbins Mfg. Co., Chicago, Ill.
Russell-Peppler Co., Inc., 101 Park Av., New York, N. Y. "Johnson"
Sanders Bros. Mfg. Co., Ottawa, Ill.
Schumacher (F. E.) Co., Hartville, O.
Solmson (M.) Fly Screen Co., Baltimore, Md.
Standard Screen Co., Chicago, Ill.
Union Screen Co., Providence, R. I. "Challenge"
Wabash Screen Door Co., Chicago, Ill.
Watson Mfg. Co., Jamestown, N. Y.
Williams & Hunting Co., Cedar Rapids, Ia.
Woodward & Lothrop, Washington, D. C. "Millcraft"

SCREENS, Window, Metal Frame

Acme Metal Mfg. Co., Chicago, Ill.
American Screen Co., Brookline, Mass.
Apex Mfg. Co., Inc., Syracuse, N. Y.
Autoberth Co., Lansing, Mich. "Autoscreen" (Automobile)
Baker (W. J.) Co., Newport, Ky.
Beh & Co., 1140 B'way, New York, N. Y. "Diamond E." "Liberty"
Cincinnati Mfg. Co., Cincinnati, O. "Cin-Man-Co"
Higgin Mfg. Co., Newport, Ky.
National Screen & Mfg. Co., Cincinnati, O.
Newark Metal Screen Co., Inc., 161 Ogden, Newark, N. J. "Nu-Way"
Sherwood Metal Working Co., Syracuse, N. Y.
Watson Mfg. Co., Jamestown, N. Y.

SCREENS, Window, Roller

Chamberlain Metal Weather Strip Co., Inc., Detroit, Mich.
Disappearing Roller Screen Co., Los Angeles, Cal. "Enviso"
Higgin Mfg. Co., Newport, Ky.
Nelson Mfg. Co., Spencer, Ia.
Rolling Screens, Inc., 13 Bergen, B'klyn, N. Y. "MacCormack"
Rolscreen Co., Pella, Ia.
Russell-Peppler Co., Inc., 101 Park Av., New York, N. Y. "Johnson"
Watson Mfg. Co., Jamestown, N. Y.

SCREW ANCHORS—See Anchors, Screw

SCREW BITS—See Bits, Screw

SCREW CABINETS—See Cases, Bolt and Screw

SCREW CAPS—See Caps, Bolt, Nut and Screw

SCREW CASES—See Cases, Bolt and Screw

SCREW CLAMP—See Clamps, Screw

SCREW CUTTING TAP AND DIE HOLDERS—See Holders, Tap and Die

SCREW DRIVER and HAMMER COMBINATION—See Tools, Combination

SCREW DRIVER BITS—See Bits, Screw Driver

SCREW DRIVER COMBINATION—See Tools, Combination

SCREW DRIVERS

Adbro Mfg. Co., Phipps Power Bldg., Pittsburgh, Pa.
Albert Tool Co., Mercer, Pa.
American Saw & Mfg. Co., Springfield, Mass. "Dolman," "Lenox"
American Swiss File & Tool Co., Elizabeth, N. J.
Arcade Mfg. Co., Freeport, Ill. "Combination," "Serpentine"
Bailey Mfg. Co., Berlin, Conn.
Barcalo Mfg. Co., Buffalo, N. Y.
Bates (C. J.) & Son, Chester, Conn.
Billings & Spencer Co., Hartford, Conn. "B. & S."
Bridgeport Hdw. Mfg. Corp., Bridgeport, Conn. (Also Magnetized) "Baby Non-Skid," "Challenge," "Dwarf," "Hercules," "Hickory Special," "Little Wonder," "Matchless," "Navy," "Non-Skid," "Red Crown," "Reliance," "Silver Tip," "Standard," "Tiger," "Trojan," "Vulcan," "Yellow Crown"
Buck (Wm. E.) Mfg. Co., Eastport, Me.
Buffum (Frank G.) Mfg. Co., Louisiana, Mo. "Eclipse"
Bullock Mfg. Associates, Div. of Parker Wire Goods Co., Worcester, Mass.
Chapin-Stephens Co., Pine Meadow, Conn. "Indestructible," "Elmore"
Chicago Tool & Kit Mfg. Co., Chicago, Ill. "C.T.K."
C-K-R Company, Cleveland, O. "Cronk," "Elmira," "Star"
Clement Mfg. Co., Northampton, Mass. "Vulcan"
Costes Slipper & Mfg. Co., Worcester, Mass.
Connecticut Valley Mfg. Co., Centerbrook, Conn.
Consolidated Tool Works, 509 Madison Av., New York, N. Y. "Pilot"
Crawford (Carl), Columbus, O. "Columbus"
Crescent Tool Co., Jamestown, N. Y. "Hamr-Handl," "Red Devil"
Damascus Steel Products Corp., Rockford, Ill. "Dasco"
Day Co., Clinton, Conn.
Decatur Coffin Co., Decatur, Ill. "Eureka"
Dicks Tool Co., Downers Grove, Ill.
Dikeman Mfg. Co., Norwalk, Conn. "Emergency"
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Edelmann (E.) & Co., Chicago, Ill. "4-in-1," "3-in-1," "Duplex," "Utility"
Ennis Mfg. Co., Reading, Pa.
Enterprise Mfg. Co., Dept HA, Akron, O. (Fishing Reel)
Evansville Tool Wks., Inc., Evansville, Ind. "Tested"
Fairmount Tool & Forging Co., Cleveland, O. (also Valve Tappet)
Fleming Mfg. Co., Inc., Worcester, Mass. "Ad-Jus-Die," "Aristocrat"
Forsberg Mfg. Co., Bridgeport, Conn. "Super-Grip," "Whale"
Gay, Geo. E., Augusta, Me. "Union"
Harrold (H. J.) Tool Co., Columbiana, O.
Henkel Co., Fremont, O.
Herbrand Co., Fremont, O.
Hergi Mfg. Co., Bridgeport, Conn.
Hill, Edwin, Plainville, Conn.
Hood Bros., Phila., Pa.
Horning Products Co., Little Valley, N. Y. "Flinkor"
Hugo Mfg. Co., Duluth, Minn.
Johnson (William), Inc., 36 Brenner, Newark, N. J.
Johnson's (Iver) Arms & Cycle Wks., Fitchburg, Mass.
Kendrick-Davis Co., Lebanon, N. H. "K-D"
Kilborn & Bishop Co., New Haven, Conn. "Green Line," "Imperial"
Knickerbocker Mfg. Co., Belleville, N. J.
Lane (Will B.) Unique Tool Co., Chicago, Ill. "Unique" (Off Set)
Larson Tool & Stamping Co., Attleboro, Mass.
Loxley Mfg. Co., Inc., Toledo, O. "Little Samson," "Little Wizard"
Marcy Tool Works, Putnam, Conn.
Marble Arms & Mfg. Co., Gladstone, Mich.
Mayhew Steel Products, Inc., Shelburne Malls, Mass.
Mechanical Specialties & Mfg. Co., Chicago, Ill.
Mechanics Tool & Wrench Co., Greenfield, Mass.
Millen Mfg. Co., Boston, Mass. "Jiffy-Tite," "Jiffy-Tite Junior" (Screw Holding)
Millers Falls-Goodell Pratt Co., Greenfield, Mass. "Big Boy," "Shelburne"
Mills, Edwin, Plainville, Conn.
Milwaukee Tool & Forge Co., So. Milwaukee, Wis.
Mossberg (Frank) Co., Attleboro, Mass.
Mound Tool Co., St. Louis, Mo.
New Grip Point Co., Chicago, Ill. "Grip Point"
North Bros. Mfg. Co., Phila., Pa. "Yankee"
Numberall Stamp & Tool Co., Inc., Huguenot Park, Staten Island, N. Y. "Cantilever"
Ohio Tool Co, Charleston, W. Va.
Osborne (C. S.) & Co., Box 183, Newark, N. J.
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto," "Solbor"
Plomb Tool Co., Los Angeles, Cal.
Rainey Mfg. Co., Titusville, Pa.
Rodale Mfg. Co., Inc., Emaus, Pa. (Rubber Handle)
Ryan (James J.) Tool Wks., Southington, Conn.
Sargent & Co., New Haven, Conn.
Sawyer Tool Mfg. Co., Ashburnham, Mass. "Samson"
Southington Hdw. Co., Southington, Conn. "Aetna," "Hold Fast," "Sohaco"
Southington Mfg. Co., Southington, Conn. "Pioneer"
Stanley Wks., New Britain, Conn. "Grip-E-Grip," "Hurwood," "Lastex," "Leader," "100 Plus"
Starrett (L. S.) Co., Athol, Mass.
Stortz (John) & Son, Phila., Pa. "Monarch"
Superior Door Catch Co., Superior, Wis. "Peerless"
Swan (James) Co., Seymour, Conn.
Sweers (Riley) Co., Toledo, O. "Little Wizard"
Syracuse Twist Drill Co., Syracuse, N. Y.
Tiffany (Carroll R.), Conklin, N. Y. "Ace" (Offset)
Tobrin Tool Co., Plantsville, Conn.
Torrington Co., Torrington, Conn.
Trimble & Fink Mfg. Co., Inc., Baltimore, Md. "Grip-Scru-Driver"
Tuck Mfg. Co., Brockton, Mass. "Baby Hercules," "Giant," "Hercules," "Jumbo," "Midget," "Nobby," "Piano," "Radio"
Turner & Deegan, Bristol, Conn. "Bristol," "Edgewood," "Handy," "Rosedale"
Union Hdw. Co., Torrington, Conn. "Champion"
Union Tool Co., Orange, Mass.
United Wire Goods Mfg. Co., 420 E. 106th, New York, N. Y.
Vaughan & Bushnell Mfg. Co., Chicago, Ill. "V & B"
Village Blacksmith Folks, Watertown, Wis.
Vlchek Tool Co., 3006 E. 87th Cleveland, O. "Buckeye," "Euclid," "Gladiator," "Insulgrip"
Washburn Company, Worcester, Mass.
Western Steel Products Co., Duluth, Minn. "Tuftest," "Westco"
Whitaker Mfg. Co., Chicago, Ill.
Winchester Repeating Arms Co., New Haven, Conn.

SCREW DRIVERS, Automatic

Bridgeport Hdw. Mfg. Corp., Bridgeport, Conn. "Non-Skid"
Hisey-Wolf Machine Co., Cincinnati, O. (Electric)
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
North Bros. Mfg. Co., Phila., Pa. "Yankee"
Swan (Jas.) Co., Seymour, Conn.
Western Steel Products Co., Duluth, Minn.

SCREW DRIVERS, Electric

Independent Pneumatic Tool Co., Chicago, Ill.
Schauer Machine Co., Cincinnati, O.
SpeedWay Mfg. Co., Cicero, Ill.
Stanley Wks., New Britain, Conn.
United States Electrical Tool Co., Cincinnati, O.
Van Dorn Electric Tool Co., Towson, Md.

SCREW DRIVERS, Electricians'—See Screw Drivers, Insulated; also Screw Drivers, Ratchet

SCREW DRIVERS, Folding

Crescent Tool Co., Jamestown, N. Y. "S. & H."
Marble Arms & Mfg. Co., Gladstone, Mich.

SCREW DRIVERS, Insulated

Bridgeport Hdw. Mfg. Corp., Bridgeport, Conn. "Baby Shockless," "Matchless Shockproof," "Shockless"
Chapin-Stephens Co., Pine Meadow, Conn.
Fleming Mfg. Co., Inc., Worcester, Mass. "Aristocrat" (Fiber Handle)
Mayhew Steel Products, Inc., Shelburne Falls, Mass.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
North Bros. Mfg. Co., Phila., Pa. "Yankee"
Stanley Wks., New Britain, Conn.
Starrett (L. S.) Co., Athol, Mass.
Swan (James) Co., Seymour, Conn.
Tuck Mfg. Co., Brockton, Mass.
Union Hdw. Co., Torrington, Conn.
Utica Drop Forge & Tool Co., Utica, N. Y.
Waterbury Button & Mfg. Co., Waterbury, Conn.

SCREW DRIVERS, Magazine

Millers Falls-Goodell Pratt Co., Greenfield, Mass.
North Bros. Mfg. Co., Phila., Pa. "Yankee"

SCREW DRIVERS, Ratchet

American Swiss File & Tool Co., Elizabeth, N. J.
Bridgeport Hdw. Mfg. Corp., Bridgeport, Conn. "Non-Skid"
Chapin-Stephens Co., Pine Meadow, Conn.
Greenberg & Josefsberg Mfg. Co., 20 W. 23rd, New York, N. Y. "Utility"
Lane (Will B.) Unique Tool Co., Chicago, Ill. "Unique"
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
North Bros. Mfg. Co., Phila., Pa. "Yankee"
Stanley Wks., New Britain, Conn.
Starrett (L. S.) Co., Athol, Mass.
Swan (Jas.) Co., Seymour, Conn.
Union Hdw. Co., Torrington, Conn.

SCREW DRIVERS, Ratchet, Screw Eye

North Bros. Mfg. Co., Phila., Pa. "Yankee"

SCREW DRIVERS, Ratchet, Screw Holder

North Bros. Mfg. Co., Phila., Pa. "Yankee"

SCREW DRIVERS, Ratchet, Spiral

Bridgeport Hdw. Mfg. Corp., Bridgeport, Conn. "Non-Skid"
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
North Bros. Mfg. Co., Phila., Pa. "Yankee"

SCREW EXTRACTORS—See Extractors, Screw

SCREW EYE RATCHET SCREW DRIVERS—See Screw Drivers, Ratchet

SCREW EYES—See Eyes, Screw

SCREW GAGES—See Gages, Screw

SCREW HOLDER RATCHET SCREW DRIVERS—See Screw Drivers, Ratchet

SCREW HOLES

(See also Anchors, Screw)

Rawlplug Co., 98 Lafayette, New York, N. Y.
Scru-Tite Corp., 38 W. Market, Newark, N. J.
Stop-Plug Co., Inc., Chicago, Ill.

SCREW HOOKS—See Hooks, Screw

SCREW, MACHINE ASSORTMENT—See Assortments, Machine Screw

SCREW MACHINE PRODUCTS—See article desired

SCREW NAILS—See Nails, Screw

SCREW PLATES

Alvord-Polk Tool Co., Millersburg, Pa.
Bay State Tap & Die Co., Mansfield, Mass.
Butterfield & Co. Div., Union Twist Drill Co., Derby Line, Vt. "Derby," "Reece's"
Card (S. W.) Mfg. Co. Div., Union Twist Drill Co., Mansfield, Mass. "Diamond," "Favorite," "Paragon"
Carpenter (J. M.) Tap & Die Co., Pawtucket, R. I.
Champion Blower & Forge Co., Lancaster, Pa. "Easy," "Ordnance"
Conant & Donelson Co., Conway, Mass. "Reliable"
Greenfield Tap & Die Corp., Greenfield, Mass. "G T D," "Green River," "Lightning," "Little Giant," "O. K."
Hart Mfg. Co., Cleveland, O. "Duplex"
Jarecki Mfg. Co., Erie, Pa.
Keystone Reamer & Tool Co., Millersburg, Pa.
Mechanics Tool & Wrench Co., Greenfield, Mass. "Adamantine"
Morse Twist Drill & Mach. Co., New Bedford, Mass.
Russell Mfg. Co., Greenfield, Mass.
Scru-Tite Corp., Newark, N. J.
Stevens Walden, Inc., Worcester, Mass.
Union Twist Drill Co., Athol, Mass.
Wells Tool Co., Greenfield, Mass.
Winter Bros. Co., Wrentham, Mass. "Thistle"

SCREW PLUGS, Wall—See Anchors, Screw

SCREW PULLEYS—See Pulleys, Screw

SCREW WRENCHES—See Wrenches, Screw

SCREWS, Bench

Bliss (R.) Mfg. Co., Pawtucket, R. I.
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Rock Island Mfg. Co., Rock Island, Ill.
Sargent & Co., New Haven, Conn.
Southern Skein & Fdry. Co., Chattanooga, Tenn.

SCREWS, Brass and Bronze

American Screw Co., Providence, R. I.
Atlas Bolt & Screw Co., Cleveland, O.
Attwood Brass Wks., Grand Rapids, Mich.
Blake & Johnson Co., Waterbury, Conn.
Bridgeport Brass Co., Bridgeport, Conn.
Bull Dog Electric Products Co., Detroit, Mich.
Chase Brass & Copper Co., 80 Lafayette, New York, N. Y.
Clark Bros. Bolt Co., Noble Rd., Milldale, Conn.
Columbus Brass Co., Columbus, O.
Corbin Screw Corp., New Britain, Conn.
Curtis Screw Co., Inc., Buffalo, N. Y.
Eagle Lock Co., Terryville, Conn.
Everitt Co., Boston, Mass.
Harper (H. M.) Co., Chicago, Ill.
Haskell (Wm. H.) Mfg. Co., Pawtucket, R. I.
Hassal (John), Inc., 402 Oakland, Bklyn, N. Y.
Hubbell, Harvey, Bridgeport, Conn.
National Acme Co., Cleveland, O.
National Lock Co., Rockford, Ill.
New England Screw Co., Boston, Mass.
Reed & Prince Mfg. Co., Worcester, Mass.
St. Louis Screw Co., 620 E. Clarence Av., St. Louis, Mo.
Scovill Mfg. Co., Plumbers' Brass Goods Div., Waterville, Conn.
Southington Hdw. Co., Southington, Conn.
Turner-Warner Screw Co., Kansas City, Mo.
Worcester Mach. Screw Co., Worcester, Mass.

SCREWS, Bronze—See Screws, Brass and Bronze

SCREWS, Cap and Set

Allen Mfg. Co., Hartford, Conn. "Tri-Markt"
Allied Products Corp. (Victor Peninsular Div.), Detroit, Mich.
Atlas Bolt & Screw Co., Cleveland, O.
Automatic Products Co., Detroit, Mich.
Barkelew Metal Products Co., Dayton, O.
Bourne-Fuller Co., Cleveland, O. "Upson"
Bristol Co., Waterbury, Conn. "Bristo"
Cap Screw & Nut Co., 38 Renwick, New York, N.Y.
Chandler Products Corp., Cleveland, O.
Chicago Screw Co., Homan Av. & Fillmore, Chicago, Ill.
Clark Bros. Bolt Co., Noble Rd., Millidale, Conn.
Clendenin Bros., Inc., Baltimore, Md.
Cleveland Cap Screw Co., Cleveland, O.
Corbin Screw Corp., New Britain, Conn.
Crittenden Mfg. Co., Boston, Mass.
Curtis Screw Co., Inc., Buffalo, N. Y.
Dardelet Threadlock Corp., 120 B'way, New York, N. Y. (Self-Locking)
Elco Tool & Screw Corp., Rockford, Ill.
Everitt Co., Boston, Mass.
Federal Screw Wks., Detroit, Mich.
Ferry Cap & Set Screw Co., Cleveland, O.
Harper (H. M.) Co., Chicago, Ill.
Hartford Machine Screw Co., Hartford, Conn.
Haskell (Wm. H.) Mfg. Co., Pawtucket, R. I.
Heiz & Heiz, Bush Terminal Bldg., B'klyn, N. Y. "H-H"
Holo-Krome Screw Corp., Hartford, Conn.
Lamson & Sessions Co., Cleveland, O.
Mac-It Parts Co., Lancaster, Pa.
May Automatic Products Co., Detroit, Mich.
Morgan Mfg. Co., Keene, N. H.
Muncie Cap & Set Screw Co., Muncie, Ind.
National Acme Mfg. Co., Cleveland, O. "Namco"
National Lock Co., Rockford, Ill.
National Screw & Mfg. Co., Cleveland, O.
New Haven Screw Co., New Haven, Conn. "Foster"
Ottemiller (Wm. H.) Co., York, Pa.
Pheoll Mfg. Co., Chicago, Ill.
Phillips, F. C., Stoughton, Mass.
Pittsburgh Screw & Bolt Co., Pittsburgh, Pa.
Reed & Prince Mfg. Co., Worcester, Mass.
Rhode Island Tool Co., Providence, R. I.
Rochester Mach. Screw Co., Rochester, N. Y.
Russell & Erwin Mfg. Co., New Britain, Conn.
Ryerson (Jos. T.) & Son, Chicago, Ill.
St. Louis Screw & Bolt Co., St. Louis, Mo.
Sandusky Nut Co., Sandusky, O.
Scovill Mfg. Co., Waterbury, Conn.
Sherman-Klove Co., Chicago, Ill.
Shimer (Samuel J.) & Sons, Milton, Pa.
Standard Pressed Steel Co., Jenkintown, Pa. "Unbrako"
Steel Products Co., Cleveland, O.
Triplex Screw Co., Cleveland, O.
Turner-Warner Screw Co., Kansas City, Mo.
United Screw & Bolt Corp., Cleveland, O.
U. S. Automatic Co., Amherst, O.
Victor Screw Wks., Detroit, Mich.
Western Automatic Mach. Screw Co., Elyria, O.

SCREWS, Coach and Lag

Atlas Bolt & Screw Co., Cleveland, O.
Bayonne Bolt & Nut Co., Bayonne, N. J.
Berry Bros., Columbus, O.
Buffalo Bolt Co., No. Tonawanda, N. Y.
Cap Screw & Nut Co., 38 Renwick, New York, N.Y.
Clark Bros. Bolt Co., Noble Rd., Millidale, Conn.
Clendenin Bros., Inc., Baltimore, Md.
Corbin Screw Corp., New Britain, Conn.
Everitt Co., Boston, Mass.
Gary Screw & Bolt Co., Chicago, Ill.
Haskell (Wm. H.) Mfg. Co., Pawtucket, R. I.
Laughlin (Thos.) Co., Portland, Me.
National Lock Co., Rockford, Ill.
National Screw & Mfg. Co., Cleveland, O.
Oliver Iron & Steel Co., Pittsburgh, Pa.
Paine Co., Chicago, Ill.
Parker Wire Goods Co., Worcester, Mass.
Pittsburgh Screw & Bolt Co., Pittsburgh, Pa.
Republic Steel Co., Upson Nut Div., Cleveland, O. "Upson"
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y. "Empire"
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
St. Louis Screw & Bolt Co., St. Louis, Mo.
Turner-Warner Screw Co., Kansas City, Mo.
Wilcox-Crittenden & Co., 77 S. Main, Middletown, Conn.

SCREWS, Cork—See Corkscrews

SCREWS, Dowel

Brooks (M. S.) & Sons, Chester, Conn.
Corbin Screw Corp., New Britain, Conn.
Parker Wire Goods Co., Worcester, Mass.

SCREWS, Drive

American Screw Co., Providence, R. I.
Auto-Vehicle Parts Co., Newport, Ky.
Continental Screw Co., New Bedford, Mass. "Holtite"
Corbin Screw Corp., New Britain, Conn.
Elco Tool & Screw Corp., Rockford, Ill.
Hassall (John), Inc., 402 Oakland, B'klyn, N. Y.
Hillwood Mfg. Co., Cleveland, O. "Helyx"
National Lock Co., Rockford, Ill.
National Screw & Mfg. Co., Cleveland, O.
Oliver Iron & Steel Co., Pittsburgh, Pa.
Parker-Kalon Corp., 200 Varick, New York, N. Y. (Hardened)
Reed & Prince Mfg. Co., Worcester, Mass.
Turner-Warner Screw Co., Kansas City, Mo.

SCREWS, Hand Rail

Corbin Screw Corp., New Britain, Conn.
Parker Metal Goods Co., Worcester, Mass.
Parker Wire Goods Co., Worcester, Mass.
Sargent & Co., New Haven, Conn.

SCREWS, Hook and Eye

Bethlehem Steel Co., South Bethlehem, Pa.
Fiwale Equipment Mfg. Co., Inc., 64 Reade, New York, N. Y.
Haskell (Wm. H.) Mfg. Co., Pawtucket, R. I.
Moran Bolt & Nut Mfg. Co., St. Louis, Mo.

SCREWS, Jack

American Skein & Fdry Co., Racine, Wis.
Bethlehem Steel Co., South Bethlehem, Pa.
Duff-Norton Mfg. Co., Pittsburgh, Pa.
Hindley Gear Co., Phila., Pa.
Hobbs (Clinton E.) Co., Everett, Mass.
Illinois Iron & Bolt Co., Carpentersville, Ill.
Millers Falls-Goodell Pratt Co., Greenfied, Mass.
Rock Isand Mfg. Co., Rock Island, Ill.
Southern Skein & Fdry. Co., Chattanooga, Tenn. "Vulcan"
Starrett (L. S.) Co., Athol, Mass.
Swett (A. L.) Iron Wks., Medina, N. Y.
Tallman Mfg. Co., Shelbyville, Ill. "Richtal"
Turner-Warner Screw Co., Kansas City, Mo.
U. S. Hdw. & Mfg. Co., Pawtucket, R. I.

SCREWS, Knob

Barrows' Lock Wks. of Yale & Towne Mfg. Co., Lockport, Ill.
Corbin, P. & F., New Britain, Conn.
Sager Lock Wks. of Yale & Towne Mfg. Co., No. Chicago, Ill.
Sargent & Co., New Haven, Conn.
Yale & Towne Mfg. Co., Stamford, Conn.

SCREWS, Lag—See Screws, Coach and Lag

SCREWS, Machine

Aetna Metal Products Co., St. Louis, Mo.
American Screw Co., Providence, R. I.
Atlas Bolt & Screw Co., Cleveland, O.
Blake & Johnson Co., Waterbury, Conn.
Champion Mfg. Co., Chicago, Ill.
Chase Brass & Copper Co., Waterbury, Conn.
Clark Bros. Bolt Co., Noble Rd., Millidale, Conn.
Continental Screw Co., New Bedford, Mass. "Holtite"
Corbin Screw Corp., New Britain, Conn.
Eagle Lock Co., Terryville, Conn.
Economy Screw Corp., Chicago, Ill.
Elco Tool & Screw Corp., Rockford, Ill.
General Mfg. Co., Waterbury, Conn.
Hartford Mach. Screw Co., Hartford, Conn.
Hubbell, Harvey, Bridgeport, Conn.
May Automatic Products Co., Detroit, Mich.
National Lock Co., Rockford, Ill.
National Screw & Mfg. Co., Cleveland, O.
Pheoll Mfg. Co., Chicago, Ill.
Phillips, F. C., Stoughton, Mass.
Progressive Mfg. Co., Torrington, Conn.
Ramsdell Specialty Co., Worcester, Mass.
Reading Screw Co., Norristown, Pa.
Reed & Prince Mfg. Co., Worcester, Mass.
Ryerson (Jos. T.) & Son, Chicago, Ill.
St. Louis Screw Co., St. Louis, Mo.
Scovill Mfg. Co., Waterbury, Conn.
Steele & Johnson Mfg. Co., Waterbury, Conn.
Turner-Warner Screw Co., Kansas City, Mo.
United Screw & Bolt Corp., Cleveland, O.
Weber Electric Wks., B'klyn Station, Cleveland, O.
Western Automatic Mach. Screw Co., Elyria, O.
Western Screw Mfg. Co., Chicago, Ill.
Worcester Mach. Screw Co., Worcester, Mass.

SCREWS, Monel

Atlas Bolt & Screw Co., Cleveland, O.

SCREWS, Press

Adjustable Clamp Co., 411 N. Ashland Av., Chicago, Ill. "Little Giant"
Swett (A. L.) Iron Wks., Medina, N. Y.

SCREWS, Saw

Atkins (E. C.) & Co., Indianapolis, Ind.
Corbin Screw Corp., New Britain, Conn.
Curtis Screw Co., Inc., Buffalo, N. Y.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Ohlen-Bishop Co., Columbus, O.
Philadelphia Mach. Screw Wks., Phila., Pa.
Sargent & Co., New Haven, Conn.
Simonds Saw & Steel Co., Fitchburg, Mass.
Worcester Mach. Screw Co., Worcester, Mass.

SCREWS, Self-Tapping, Hardened

Parker-Kalon Corp., 200 Varick, New York, N. Y.

SCREWS, Set—See Screws, Cap and Set

SCREWS, Thumb

Armstrong Mfg. Co., Bridgeport, Conn.
Atlas Bolt & Screw Co., Cleveland, O.
Billings & Spencer Co., Hartford, Conn. "Triangle B"
Blake & Johnson Co., Waterbury, Conn.
Bonney Forge & Tool Wks., Allentown, Pa.
Chicago Screw Co., Chicago, Ill.
Corbin Screw Corp., New Britain, Conn.
Eberhard Mfg. Co., 2790 Tennyson Rd., Cleveland, O.
Harper (H. M.) Co., Chicago, Ill.
Haskell (Wm. H.) Mfg. Co., Pawtucket, R. I.
Keystone Forging Co., Northumberland, Pa.
Parker Metal Goods Co., Worcester, Mass.
Parker Wire Goods Co., Worcester, Mass.
Pheoll Mfg. Co., Chicago, Ill.
Phila. Hdw. & Malleable Iron Wks., Inc., Phila., Pa.
Phoenix Hdw. Mfg. Co., Buffalo, N. Y.
Rochester Mach. Screw Co., Rochester, N. Y.
St. Louis Screw & Bolt Co., St. Louis, Mo.
Screw Mach. Products Corp., Providence, R. I.
Steele & Johnson Mfg. Co., Waterbury, Conn.
Turner-Warner Screw Co., Kansas City, Mo.
United Screw & Bolt Corp., Cleveland, O.
Western Automatic Mach. Screw Co., Elyria, O.
Worcester Mach. Screw Co., Worcester, Mass.
Wrightsville Hdw. Co., Wrightsville, Pa.

SCREWS, Wing

Parker Wire Goods Co., Worcester, Mass.

SCREWS, Wood

American Screw Co., Providence, R. I.
Atlantic Screw Wks., Hartford, Conn.
Attwood Brass Wks., Grand Rapids, Mich.
Bridgeport Screw Co., Bridgeport, Conn.
Champion Mfg. Co., Chicago, Ill.
Continental Screw Co., New Bedford, Mass. "Holtite"
Corbin Screw Corp., New Britain, Conn.
Eagle Lock Co., Terryville, Conn.
Elco Tool & Screw Corp., Rockford, Ill.
Hassall (John), Inc., 402 Oakland, B'klyn, N. Y. (Rolled Thread)
Interstate Iron & Steel Co., Chicago, Ill.
Keeler Brass Co., Grand Rapids, Mich. "Perfection"
National Lock Co., Rockford, Ill.
National Screw & Mfg. Co., Cleveland, O.
Parker (Chas.) Co., Meriden, Conn.
Reading Screw Co., Norristown, Pa.
Reed & Prince Mfg. Co., Worcester, Mass.
Rittenhouse (J. F.) Mfg. Co., Akron, Ind. "Handy"
Southington Hdw. Co., Southington, Conn.
Turner-Warner Screw Co., Kansas City, Mo.
Washburn Company, Worcester, Mass.
Weber Electric Wks., Cleveland, O.
Whitney Screw Corp., Nashua, N. H.

SCRIBERS, Machinists'

Brais (F.) & Co., Cleveland, O. "Improved Gem"
Bridgeport Hdw. Mfg. Corp., Bridgeport, Conn. "Radio-Lectric"
Brown & Sharpe Mfg. Co., Providence, R. I.
Lufkin Rule Co., Saginaw, Mich.
Marcy Tool Wks., Putnam, Conn.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Starrett (L. S.) Co., Athol, Mass.
Union Tool Co., Orange, Mass.

SCROLL SAWS—See Saws, Scroll

SCRUB CLOTHS—See Cloths, Scrub

SCRUBBERS, CARPET—See Machinery Carpet Cleaning

SCRUBBERS, FLOOR—See Machines, Floor, Electric

SCRUBBING BRUSHES—See Brushes, Scrubbing

SCUFFLE HOES—See Hoes, Scuffle

SCUTCHES, Brickl. vers

Evansville Tool Wks., Inc. Evansville, Ind.
Iron City Tool Works, Pittsb. gh, Pa.
Maydole (David) Tool Corp., Norwich, N. Y.
Rose (Wm.) & Bros., Sharon Hill, Pa.
Stanley Wks., New Britain, Conn.
Vaughan & Bushnell Mfg. Co., Chicago, Ill.
Vlchek Tool Co., Cleveland, O.

SCUTTLES, Coal—See Hods, Coal

SCYTHE SNATHS—See Snaths, Scythe

SCYTHE STONES—See Stones, Scythe

SCYTHES

Columbian Cutlery Co., Reading, Pa.
Emerson & Stevens Mfg. Co., Oakland, Me. "All "Hammered," "Diamond," "Hurricane," "Meadow-Brook," "Smuggler"
Kelly Axe & Tool Wks., of American Fork & Hoe Co., Charleston, W.Va. "Black Raven," "Blood's," "Briar Edge," "Clipper," "Flint Edge," "Meadow Lark," "Perfect," "Vulcan"
North Wayne Tool Co., Oakland, Me. "American Standard," "Aroostook," "Be Ve Be," "Black Diamond," "Dunn Standard," "Earle Special," "Little Giant," "Nowatoco," "Swift Cutter"
Rixford Mfg. Co., East Highgate, Vt. "Cast Steel," "Fine India Steel," "Golden Clipper," "Hercules," "Rixford Railroad Special," "Rough and Ready"
Sandvik Saw & Tool Corp., Minneapolis, Minn. "Banko" (Imported)
Sibley Scythe Co., North Newport, N. H.
Sythax Mfg. Co., Memphis, Tenn.
Village Blacksmith Folks, Watertown, Wis.
Wadsworth (David) & Son, Box 610, Auburn, N.Y. "Owasco"
Winsted Mfg. Co., Inc., Winsted, Conn. "Clipper," "Columbia," "Crown Jewel," "Eureka," "Red, White & Blue," "Wimanco"

SEAL PRESSES—See Presses, Seal

SEAM FILLERS—See Fillers, Seam

SEAMLESS STEEL TUBING—See Tubing, Steel, Seamless

SEAT BRACES, Boat—See Braces, Seat, Boat

SEAT BUMPERS, Closet Seat—See Bumpers, Rubber Closet Seat

SEATS, Baby, Automobile

Gendron Wheel Co., Toledo, O.
Perfection Mfg. Co., St. Louis, Mo.
Toledo Metal Wheel Co., Toledo, O. "Blue Streak"

SEATS, Bath Tub

Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Eustis (J. P.) Mfg. Co., Cambridge, Mass. "Brasscrafters"
Kersten Co., Inc., Chicago, Ill.
Parker (Chas.) Co., Meriden, Conn.
Pocono Metal Mfg. Co., East Stroudsburg, Pa.
Stiles (H. A.) & Co., Boston, Mass.
Washburn Company, Worcester, Mass.

SEATS, Chair

Adler Veneer Seat Co., Payntor Av., & Sunswick, Long Island City, N. Y. (Perforated)
American Fibre Chair Seat Corp., 540 Van Alst & Payntor Avs., Long Island City, N. Y. "Afisco," "Dragon," "Slip-On," "Tack-On"
Barber Leather Co., North Adams, Mass.
Blair Veneer Co., North Troy, Vt.
Capital Seat & Novelty Co., 73 Marion, Long Island City, N. Y. "Art Leather," "Lion-Brand," "Mia-Heala"
Consolidated Veneer & Panel Co., High Point, N. C.
Continental Diamond Fibre Co., East Newark, Del.
D'Arcy Spring Co., Kalamazoo, Mich.
Delaware Hard Fibre Co., Wilmington, Del.
Frost's Veneer Seating Co., 50 Union Sq., New York, N. Y.
Grimmons (Chas. C.) Co., Boston, Mass.
Halifax Chair Seat Co., Millersburg, Pa.
Hard Fibre Insulating Corp., 54 Greene, New York, N. Y.
Heywood-Wakefield Co., Boston, Mass.
Laurel Co., Garfield, N. J.
Lewis-Weller Mfg. Co., Utica, N. Y.
Lubbers & Bell Mfg. Co., Clinton, Ia. "J-M Steel Base"
Matthews Mfg. Co., Lakewood, O.
National Fibre & Insulation Co., Yorklyn, Del.
Spaulding (J.) & Sons Co., North Rochester, N. H. (Fibre)
Thermwool Products Co., Inc., 360 Furman, B'klyn, N. Y. (Office Chair Pads and Kitchen Chair Pads)

SEATS, Toilet

Beneke Mfg. Co., Chicago, Ill. "Rockwell"
Brunswick-Balke-Collender Co., Chicago, Ill. "Whale-Bone-Ite"
Church (C. F.) Mfg. Co., Holyoke, Mass. "Sani-Black"
Germain Mfg. Co., Saginaw, Mich.
Gleitsman's, Inc., Glendale, N. Y. "Pearl-Wick-Ware"
Keystone Brass & Rubber Co., Phila., Pa. "Duro"
Knott Mfg. Co., Tell City, Ind. "Atlas"
Molding Corp. of America, Providence, R. I.
Never Split Seat Co., Evansville, Ind. "Evernu"
Perfect Tank & Seat Co., Syracuse, N. Y. "Tusko," "Two-in-One"
San Duro Mfg. Co., Rockford, Ill.
Sierra Mfg. Co., Pasadena, Cal.
Standard Tank & Seat Co., Camden, N. J. "Empire White," "Stasco"
Van Arnam Mfg. Co., Fort Wayne, Ind. "Challenge," "Closruf"
Vogue Mfg. Co., Fort Wayne, Ind.

SECRET DOOR LATCHES—See Latches, Secret Door

SECRET DOOR LOCKS—See Latches, Secret Door

SEE SAWS

American-National Co., Toledo, O.
Benner Mfg. Co., Lancaster, Pa.
Everwear Mfg. Co., Springfield, O.
Giant Mfg. Co., Council Bluffs, Ia.
Gibbs Mfg. Co., Canton, O.
Hill-Standard Mfg. Co., Anderson, Ind.
Medart Co., St. Louis, Mo.
Mengel Co., St. Louis, Mo.
Merremaker Corp., Minneapolis, Minn.
Toledo Metal Wheel Co., Toledo, O. "Blue Streak," "Teeter-Totter"
Tothill, W. S., Chicago, Ill.
Wilkinson Mfg. Co., Binghamton, N. Y.

SEED, Bird

American Seed & Food Products, 1410 W. Harrison, Chicago, Ill.
Brookman Mfg. Co., 416 W. Huron, Chicago, Ill. "Golden Harvest"
Burnett, Inc., 217 Plane, Newark, N. J.
Champion Animal Food Co., Minneapolis, Minn. "Blue Bird"
Columbia Bird Seed Co., Chicago, Ill. "Gold Edge," "Gold Medal"
Dickinson (Albert) Co., Chicago, Ill. "Globe"
Durkee (E. R.) & Co., Elmhurst, L. I., N. Y.
Duryea Seed Co., 18 Desbrosses, New York, N. Y. "Globe"
Horton (F. T.) Co., Hoboken, N. J.
Landreth (D.) Seed Co., Bristol, Pa.
Magnesia Products Co., Milwaukee, Wis.
Nature Friend, 2021 Boston Rd., New York, N. Y. "Magic"
Pahl (E. R.) & Co., Milwaukee, Wis.
Puhl-Webb Co., Chicago, Ill.
Reiber Bird Reserve, West Webster, N. Y.
Ries & Porter Co., Chicago, Ill.
Spratts Patent, Ltd., 14 Congress, Newark, N. J.

SEED DRYERS—See Dryers, Corn Seed

SEED, Field

Condon Bros. Seedmen, Rockford, Ill.
Dickinson (Albert) Co., Chicago, Ill. "Pine Tree"
Duryea Seed Co., 18 Desbrosses, New York, N. Y. "Pine Tree"
Landreth (D.) Seed Co., Bristol, Pa.

SEED, Flower—See Seed, Garden and Flower

SEED, Garden and Flower

Barnard (W. W.) Co., Chicago, Ill.
Burpee (W. A.) Co., Phila., Pa.
Cokers' Pedigreed Seed Co., Hartsville, S. C.
Condon Bros. Seedmen, Rockford, Ill.
Dickinson (Albert) Co., Chicago, Ill.
Duryea Seed Co., 18 Desbrosses, New York, N. Y. "Pine Tree"
Ferry-Morse Seed Co., Detroit, Mich.
Johnson (J. Oliver), Chicago, Ill.
Landreth (D.) Seed Co., Bristol, Pa.
Leonard Seed Co., Chicago, Ill.
Simon (I. N.) & Son, Phila., Pa
Woodruff (F H) & Sons, Milford, Conn

SEED, Grass—See Seed, Lawn

SEED, Lawn

Brookman Mfg Co., Chicago, Ill. "Golden Harvest"
Burpee (W. A.) Co., Phila., Pa.
Cokers' Pedigreed Seed Co., Hartsville, S. C.
Dickinson (Albert) Co., Chicago, Ill. "Evergreen," "Globe"
Duryea Seed Co., 18 Desbrosses, New York, N. Y. "Central Park," "Columbia Park," 'Evergreen," "Gramercy Park," "Old Homestead," "Shady Spot," "Village Green," "Yorkshire Park"
Ferry-Morse Seed Co., Detroit, Mich.
Illinois Seed Co., Chicago, Ill.
Johnson, J. Oliver, Chicago, Ill.
Landreth (D.) Seed Co., Bristol, Pa.
Leonard Seed Co., Chicago, Ill.
Pedigreed Seed Co., Inc., 74 Reade, New York, N. Y.
Philadelphia Seed Co., Inc., Phila., Pa. "Old English"
Shur-Gro Fertilizer Corp., Pittsburgh, Pa.
Simon (I. N.) & Son, Phila., Pa.
Spears (E. F.) & Sons, Paris, Ky.

SEED RACKS—See Dryers and Racks, Corn Seed

SEED, Vegetable—See Seed, Garden and Flower

SEINE FLOATS—See Floats, Seine

SEINES, Fishing

Abbey & Imbrie, Utica, N. Y.
Bibb Mfg. Co., Macon, Ga.
Ericksen Textile Co., Momence, Ill.
Horrocks-Ibbotson Co., Dept S, Utica, N. Y.
Yawgo Line & Twine Co., Rockville, R. I.

SEINE TWINE—See Twine, Wrapping

SELF-CLOSING WASTE RECEPTACLES—See Receptacles, Waste, Self-Closing

SELF-FLUXING SOLDER—See Solder, Self-Fluxing

SELF-HEATING SOLDERING COPPERS — See Coppers, Soldering, Self-Heating

SELF-MEASURING GASOLINE PUMPS — See Pumps, Gasoline, Self-Measuring

SELF-TAPPING SCREWS—See Screws, Self-Tapping

SEMAPHORES, Traffic, Toy

Gendron Wheel Co., Toledo, O.
Pressed Metal Products Co., Cleveland, O.
Toledo Metal Wheel Co., Toledo, O. "Blue Streak"

SEPARATORS, Cream

Anker-Holth Mfg. Co., Inc., Port Huron, Mich. (Centrifugal)
Associated Manufacturers Co., Waterloo, Ia. "Iowa"
Cherry-Burrell Corp., Cedar Rapids, Ia. "Burrell-Simplex," "Titan"
De Laval Separator Co., 165 B'way, New York, N. Y.
Empire Milking Machine Co., Rochester, N. Y.
Fargo Aluminum Co., Taunton, Mass.
International Harvester Co. of America, Chicago, Ill. "McCormick-Deering Primrose"
King Mfg. Corp., Buffalo, N. Y.
Massey-Harris Co., Racine, Wis.
Renfrew Mchy. Co., Milwaukee, Wis.
Rock Island Plow Co., Rock Island, Ill. "Great Western"
Sharpless Separator Co., West Chester, Pa. "Suction Feed"
United Engine Co., Lansing, Mich. "Diabolo," "Swedish Queen," "United Diabolo," "Viking"

SEPARATORS, Whey

Sharpless Separator Co., West Chester, Pa.

SEPTIC TANKS—See Tanks, Septic

SERPENTINE CUTTING SHEARS—See Shears, Bar & Serpentine Cutting

SERVERS, Lemon

Doll & Sullivan, 130 W. 42nd, New York, N. Y.

SERVING TRAYS—See Trays, Serving

SET SCREWS—See Screws, Cap and Set

SETS, Archery

American Fork & Hoe Co., Cleveland, O. "True Temper"
Indian Archery & Toy Corp., Evansville, Ind. "Black Hawk," "Blue Bear," "Maud," "Red Wing," "Seminole," "Tommy Hawk," "White Eagle"
Lund (C. A.) Co., Hastings, Minn.
Pioneer Pole & Shaft Co., Memphis, Tenn.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stemmler (L. E.) Co., Queens Village, Long Island, N. Y.

SETS, Archery, Toy

American Fork & Hoe Co., Cleveland, O. "True Temper"
Daisy Mfg. Co., Plymouth, Mich.
Gifford Metal Spec. Co., Rockford, Ill.
Indian Archery & Toy Corp., Evansville, Ind. "Eight Point"
Michigan Game Board Co., Flint, Mich.
Morrison Brushes, Inc., Glens Falls, N. Y.
Selchow & Righter Co., 200 5th Av., New York, N. Y. "Tru-Flite"
Stemmler (L. E.) Co., Queens Village, Long Island, N. Y.
Stronghart Co., Chicago, Ill.

SETS, Bit, Auger

Crescent Tool Co., Jamestown, N. Y. "Red Devil"
Greenlee Tool Co., Rockford, Ill.
Irwin Auger Bit Co., Wilmington, O.
Jennings (Russel) Mfg. Co., Chester, Conn.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Pugh (John T.), Inc., Phila., Pa.
Snell Mfg. Co., Fiskdale, Mass.
Swan (James) Co., Seymour, Conn.

SETS, Bricklayers'

Cincinnati Tool Co., Montgomery Rd., Cincinnati, O.

SETS, Bridge

Norcor Mfg. Co., Green Bay, Wis.

SETS, CALK, BOOT and SHOE—See Calks, Boot and Shoe

SETS, Canister, Kitchen

Acme Can Co., Phila., Pa.
American Can Co., 230 Park Av., New York, N. Y.
Aluminum Goods Mfg. Co., Manitowoc, Wis. "Mirro," "Viko"
Clark (J. L.) Mfg. Co., Rockford, Ill.
Fernald Mfg. Co., North East, Pa.
Lalance & Grosjean Mfg. Co., Woodhaven, L. I., N. Y.
Miami Cabinet Co., Middletown, O.
National Enameling & Stamping Co., Milwaukee, Wis. "Nesco"
Norwood Co., Cincinnati, O. (Salt and Pepper)
Ritter Can & Specialty Co., Phila., Pa. "Acme"
Savory, Inc., 591 Ferry, Newark, N. J.
Schlueter Mfg. Co., St. Louis, Mo. "De Luxe"
Sefton Nat. Fibre Can Co., St. Louis, Mo.
Sneath Glass Co., Hartford City, Ind.

SETS, Carving

(See also Knives, Carving)

American Stainless Knife Co., Chicago, Ill. "Everbrite"
Boker (H.) & Co., 101 Duane, New York, N. Y.
Crescent Mfg. Co., Fremont, O.
Henckels (J. A.), Inc., 456 4th Av., New York, N. Y. "Twin Brand," "Welkut"
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass. "Anchor"
Landers, Frary & Clark, New Britain, Conn. "Universal"
Northampton Cutlery Co., Northampton, Mass.
Ontario Knife Co., Franklinville, N. Y. "Never-Stain," "Tru Edge"
Remington Arms Co., Inc., Bridgeport, Conn. "Klean Blade"
Russell (John) Cutlery Wks., Turners Falls, Mass.
Shelton Cutlery Co., Shelton, Conn.
United States Cutlery Co., 2 Main, Belleville, N. J.
Wade & Butcher Corp., 190 Baldwin Av., Jersey City, N. J.
White (Ira F.) & Son Co., Bloomfield, N. J.
Wostenholm (Geo.) & Son, 258 B'way, New York, N. Y.

SETS, Cellar Window—See Sets, Window, Cellar

SETS, Cobblers'—See Outfits, Cobblers'

SETS, Cooking, Toy

Aluminum Goods Mfg. Co., Manitowoc, Wis.
Aluminum Specialty Co., Manitowoc, Wis.
Buckeye Aluminum Co., Wooster, O. "Real Solid"
Cass (N. D.) Co., Athol, Mass.
Parker Bros., Salem, Mass.
Taplin Mfg. Co., New Britain, Conn. (Beater & Bowl)
Transogram Co., 200 Fifth Av., New York, N. Y. "Gold Medal"
Wagner Mfg. Co., Sidney, O.
White Beauty Electric Co., Inc., Chicago, Ill. (Electric)

SETS, Cord, Electric Heater

American Electric Co., Chicago, Ill. "Ajax"
Arrow-Hart & Hegeman Electric Co., Hartford, Conn. "Kantkink Elasticord"
Beaver Mfg. Co., 625 N. 3rd, Newark, N. J.
Belden Mfg. Co., Chicago, Ill.
Bryant Elec. Co., Bridgeport, Conn. "Hemco"
Circle F. Mfg. Co., Trenton, N. J.
Coleman Lamp & Stove Co., Wichita, Kan.
Drake Electric Wks., Chicago, Ill.
Edison (Thomas A.), Inc., Orange, N. J.
Landers, Frary & Clark, New Britain, Conn.
National Electric Appliance Corp., Bridgeport, Conn. "Jiffy"
Proctor & Schwartz Electric Co., Phila., Pa. (Electric Iron)
Samson-United Corp., Rochester, N. Y.
Simplex Div. of Edison Electric Appliance Co., Inc., Chicago, Ill.
Superior Electric Products Corp., St. Louis, Mo. "Super Lectic"
Watlow Electric & Mfg. Co., St. Louis, Mo.

SETS, Crayon

American Crayon Co., Sandusky, O.

SETS, Croquet—See Games, Croquet

SETS, Cutlery, Kitchen

American Stainless Knife Co., Chicago, Ill.
Harrington Cutlery Co., Southbridge, Mass. "Dexter
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass. "Anchor"
Landers, Frary & Cark, New Britain, Conn. "Universal"
Murphy's (Robert) Sons Co., Ayer, Mass.
P. M. C. Mfg. Co., Kingston, N. Y.
Remington Arms Co., Inc., Bridgeport, Conn.
Russell (John) Cutlery Co., Turners Falls, Mass. "Gold Arrow"
Utica Cutlery Co., Utica, N. Y. "Handi-Set"
Wallace Bros., Wallingford, Conn. "W.B.W."

SETS, Door, Screen

Arcade Mfg. Co., Freeport, Ill. "Non-Sag"
Bommer Spring Hinge Co. 263 Classon Av., B'klyn, N. Y.
C-K-R Company, Cleveland, O. "Little Giant"
Corbin, P. & F., New Britain, Conn.
Fernald Mfg. Co., North East, Pa.
Fiwale Equipment Mfg. Co., Inc., 64 Reade, New York, N. Y.
Frantz Mfg. Co., Sterling, Ill.
Griffin Mfg. Co., Erie, Pa. "Perfection"
Hager (C.) & Sons Hinge Mfg. Co., St. Louis, Mo.
Kees (F. D.) Mfg. Co., Beatrice, Neb.
Lawrence Bros., Sterling, Ill.
National Mfg. Co., Sterling, Ill.
Sargent & Co., New Haven, Conn.
Shelby Spring Hinge Co., Shelby, O.
Stanley Wks., New Britain, Conn.

SETS, Fireplace

Boston Brass Andiron Co., Boston, Mass.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Cahill Co., Chattanooga, Tenn.
Chattanooga Implement & Mfg. Co., Chattanooga, Tenn.
Clark (H. W.) Co., Mattoon, Ill.
Cutter Mfg. Co., Everett, Boston, Mass.
Graf (Frank H.) Mfg. Co., Inc., 282 9th Av., New York, N. Y.
Homer Furnace Co., Coldwater, Mich.
Howes (S. M.) Co., Boston, Mass.
Jackson (Edwin A.) Bros., 50 Beekman, New York, N. Y.
Janusch Mfg. Co., 282 E. 135th, New York, N. Y.
Judd (H. L.) Co., 87 Chambers, New York, N. Y. "Hi-Lite"
New York Brass Turning Co., 568 B'way, New York, N. Y.
Ohio Foundry & Mfg. Co., Steubenville, O.
Rostand Mfg. Co., Milford, Conn.
Sheffield Mfg. Co., 401 E. 31st, New York, N. Y.
Stover Mfg. & Engine Co., Freeport, Ill.
Swett (A. L.) Iron Wks., Medina, N. Y.
Treasure Chest, Tyler Bldg., Asheville, N. C.
Weber (M.) Co., Dayton, O.

SETS, Floral

American Fork & Hoe Co., Cleveland, O. "True Temper"
C-K-R Company, Cleveland, O. "Cronk," "Little Giant"
Union Fork & Hoe Co., Columbus, O.

SETS, Garage Hardware—See Garage Hardware Sets

SETS, Garden, Tool—See Sets, Tool, Garden

SETS, Garden, Toy

Animal Trap Co. of America, Lititz, Pa. "Trump," "Victor" (Sand Set)
Arcade Mfg. Co., Freeport, Ill.
Ennis Mfg. Co., Reading, Pa.
Gardner Screw Corp., Gardner, Mass.
Hills, Edwin, Plainville, Conn.
Kingsbury Mfg. Co., Keene, N. H.
Marks Bros., Boston, Mass.
Newton-Thompson Co., Brandon, Vt.
Ohio Art Co., Bryan, O.
Transogram Co., 200 5th Av., New York, N. Y. "Gold Medal"

SETS, Golf, Children's

Burke Golf Co., Newark, O. "Junior," "Juvenile," "Midget"
Garton Toy Co., Sheboygan, Wis.
Hillerich & Bradsby Co., Louisville, Ky.
Kautenburg (W. E.) Co., Inc., Freeport, Ill.
Service Leather Co., Cincinnati, O.

SETS, Golf, Portable

Detroit Metal Specialty Corp., Detroit, Mich. "Spor-Tee"
Gibbs Mfg. Co., Canton, O. "Putt-In-Play"
Indian Archery & Toy Corp., Evansville, Ind.
Mason Mfg. Co., South Paris, Me. "Neal"
Noblitt-Sparks Industries, Inc., Indianapolis, Ind. "Dan Patch"
One Minute Washer Co., Newton, Ia. "Kippy"
Superior Home Golf Co., Chicago, Ill. "Par-Links"
Thermwood Products Co., Inc., 360 Furnam, B'klyn, N. Y.
Tyler Sales Fixture Co., Muskegon Heights, Mich.
Van Golf Products Co., Fort Wayne, Ind. "Puttch"

SETS, Kitchen—See Sets, Cutlery, Kitchen

SETS, Laundry and Wash, Toy

Arcade Mfg. Co., Freeport, Ill.
Buffalo Toy & Stool Wks., 16 Carroll, Buffalo, N. Y. "Little Miss Wash-Tub"
Cass (N. D.) Co., Athol, Mass.
Converse-Mason Corp., Winchendon, Mass.
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Gem Mfg. Co., Bascom, O.
Mann (Lewis M.) & Son, West Paris, Me.
Mason & Parker Mfg. Co., Winchendon, Mass.
Newton-Thompson Co., Brandon, Vt.
Wolverine Supply & Mfg. Co., Pittsburgh, Pa. "Sandy Andy"

SETS, Lock—See Locks, Sets, Door and House

SETS, Luncheon, Motor—See Hampers, Baskets & Box Lunch

SETS, Manicure

Bates (C. J.) & Co., Chester, Conn.
Boker (H.) & Co., 101 Duane, New York, N. Y.
Celluloid Corp., 101 E. 40, New York, N. Y.
Clauss Shear Co., Fremont, O.
Henckels (J. A.), Inc., 456 4th Av., New York, N. Y. "Twin Brand," "Welkut"
Henkel Co., Fremont, O.
Hollinger Cutlery Co., Fremont, O.
Jennings Silver Co., Irvington, N. J.
Korn (Geo. W.) Razor Co., Little Valley, N. Y.
Ross (Jos.) & Co., Irvington, N. J.
Salm Mfg. Co., Torrance, Cal.
Schimper (Wm.) & Co., Hoboken, N. J.
Schnefel Bros., 684 S. 17th, Newark, N. J. "La Cross"
United Novelty Co., Lancaster, Pa.

SETS, Nail

American Swiss File & Tool Co., Elizabeth, N. J.
Bridgeport Hdw. Mfg. Corp., Bridgeport, Conn. "Blu-Forge," "Cant-Rol"
Brown & Sharpe Mfg. Co., Providence, R. I.
Buck Bros., Millbury, Mass.
Buffum (Frank G.) Mfg. Co., Louisiana, Mo.
Bullock Mfg. Associates, Div. of Parker Wire Goods Co., Worcester, Mass.
Cincinnati Tool Co., Montgomery Rd., Cincinnati, O. "Hargrave"
C-K-R Company, Cleveland, O.
Damascus Steel Products Corp., Rockford, Ill. "Dasco"
Deuse, J. S., Chester, Conn.
Ennis Mfg. Co., Reading, Pa.
Evansville Tool Wks., Inc., Evansville, Ind. "Tested"
Horning Products Co., Little Valley, N. Y. "Flinkor"
Irwin Auger Bit Co., Wilmington, O.
Kraeuter & Co., 583 18th Av., Newark, N. J.
Marcy Tool Wks., Putnam, Conn.
Mayhew Steel Products, Inc., Shelburne Falls, Mass.
Millers Falls-Goodell Pratt Co., Greenfield, Mass. "Easy Hold," "O. K.," "Wont Roll"
Plomb Tool Mfg. Co., Los Angeles, Cal.
Sawyer Tool Mfg. Co., Ashburnham, Mass.
Southington Mfg. Co., Southington, Conn. "Pioneer"
Stanley Wks., New Britain, Conn.
Starrett (L. S.) Co., Athol, Mass.
Stortz (John) & Son, Phila., Pa.
Swan (James) Co., Seymour, Conn.
Syracuse Twist Drill Co., Syracuse, N. Y. "Norol"
Thayer Mfg. Co., Williamsburg, Mass.
Torrington Co., Torrington, Conn.
Trimble & Fink Mfg. Co., Inc., Baltimore, Md.
Tuck Mfg. Co., Brockton Mass. "Sure Grip"
Union Tool Co., Orange, Mass.
Vaughan & Bushnell Mfg. Co., Chicago, Ill. "V. & B."
Williams, William, Jr., New Britain, Conn.

SETS, Painting, Children's—See Outfits, Painting, Children's

SETS, Razor

Torrey (J. R.) Razor Co., Worcester, Mass.

SETS, Receiving—See Radio Receiving Sets

SETS, Refreshment

Aluminum Cooking Utensil Co., New Kensington, Pa. "Wear-Ever"

SETS, Rivet

Buffum (Frank G.) Mfg. Co., Louisiana, Mo.
Cleveland Steel Tool Co., Cleveland, O.
Drew (C.) & Co., Kingston, Mass.
Eyelet Tool Co., Boston, Mass.
Henderer's (A. L.) Sons, Wilmington, Del.
Hunter Saw & Mach. Co., Pittsburgh, Pa.
Independent Pneumatic Tool Co., Chicago, Ill.
Iron City Tool Wks., Pittsburgh, Pa.
Johnson (William), Inc., 36 Brenner, Newark, N. J.
Kilborn & Bishop Co., New Haven Conn "Green Line"
Kraeuter & Co., 583 18th Av., Newark, N. J.
Laughlin (Thos.) Co., Portland, Me.
Lovejoy Tool Wks., Chicago, Ill.
Manufacturers' Belt Hook Co., Chicago, Ill. "L-X"
Marchant (Geo. F.) Co., Chicago, Ill. "Marco-Vanadium," "New Process," "Vanadium"
Niagara Mach., & Tool Wks., Buffalo, N. Y.
Osborne (C. S. Co., Box 183, Newark, N. J.
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"

SETS, Rivet (Continued)

Plomb Tool Co., Los Angeles, Cal.
Ryerson (Jos., T.) & Son, Inc., Chicago, Ill.
Sayre (L. A.) Co., 332 Mulberry, Newark, N. J.
Stanley Wks., New Britain, Conn.
Stortz (John) & Son, Phil., Pa.
United Screw & Bolt Corp., Cleveland, O. "Steelcraft"
Vaughan & Bushnell Mfg. Co., Chicago, Ill.
Wilcox-Rich Corp., Chicago, Ill.

SETS, Saw

Atkins (E. C.) & Co., Indianapolis, Ind. "A-Z," "Criterion"
Bergman Tool Mfg. Co., Buffalo, N. Y.
Buckeye Mfg. & Foundry Co., Cleveland, O.
Bullock Mfg. Associates, Div. of Parker Wire Goods Co., Worcester, Mass.
Central Hardware Co., Phila., Pa.
Covel Mfg. Co., Benton Harbor, Mich.
Decker (E. F.) Saw Works, Albany, N. Y.
Disston (Henry) & Sons, Inc., (Tacony), Phila., Pa. "Bully Boy," "Champion," "Monarch," "Samson," "Star," Triumph"
Franklin Tool Co., Buffalo, N. Y.
Johnson (William), Inc., 36 Brenner, Newark, N. J.
Kilborn & Bishop Co., New Haven, Conn. "Green Line," "Handy," "Whiting," "Woodman"
Manco Mfg. Co., Bradley, Ill.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Ohlen-Bishop Co., Columbus, O.
Parker Wire Goods Co., Worcester, Mass.
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Prouty (C.) & Co., Eldred, Pa.
Sandvik Saw & Tool Corp., Minneapolis, Minn. "Sandvik" (Imported)
Sargent & Co., New Haven, Conn. "S. & Co."
Sayre (L.A.) Co., 332 Mulberry, Newark, N. J. "Peerless"
Simmonds Saw & Steel Co., Fitchburg, Mass.
Smith (Seymour) & Son, Inc., Oakville, Conn.
Springfield Mach. Co., Springfield, Mass.
Stanley Wks., New Britain, Conn.
Stearns (E. C.) & Co., Syracuse, N. Y. "Stearns Esco" (Pistol Grip)
Taintor Mfg. Co., 113 Chambers, New York, N. Y. "Natural Grip," "Positive"

SETS, Smokers'

Beardsley & Wolcott Mfg. Co., Waterville, Conn. "Wilwear"
Buffalo Lamp & Mfg. Co., Inc., Buffalo, N. Y.
Deer Mfg. Co., Grand Rapids, Mich. "Cig-a-Dor"
Molding Corp. of America, Providence, R. I.
Seymour Products Co., Seymour, Conn.
Stanley Wks., New Britain, Conn.
Stewart Iron Wks. Co., Inc., 814 Stewart Block, Cincinnati, O.

SETS, Socket Wrench

Allen Wrench & Tool Co., Providence, R. I. "Allen Eureka," "Allen Friction," "Allen Universal"
Allen Mfg. Co., Hartford, Conn.
Armstrong Bros. Tool Co., 300 N. Francisco Av., Chicago, Ill.
Barcalo Mfg. Co., Buffalo, N. Y.
Billings & Spencer Co., Hartford, Conn.
Billmont Wrench Co., Chicago, Ill.
Duro Metal Products Co., Chicago, Ill.
Fairmount Tool & Forging Co., Cleveland, O.
Gould-Mersereau Co., 189 Lexington Av., New York, N. Y.
Hartford Machine Screw Co., Hartford, Conn.
Husky Corp., Kenosha, Wis.
Indestro Mfg. Co., Chicago, Ill.
Keystone Mfg. Co., Buffalo, N. Y. "Soc Ket"
Kilborn & Bishop Co., New Haven, Conn. "Green Line"
Lane (Will B.) Unique Tool Co., Chicago, Ill. "Unique"
Larson Tool & Stamping Co., Attleboro, Mass.
Lowell Wrench Co., Worcester, Mass.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
New Britain Mach. Co., New Britain, Conn. "None Better"
Premax Products, Inc., Niagara Falls, N. Y.
Stevens Walden, Inc., Worcester, Mass. "Pony"
Vichek Tool Co., 3006 E. 87th, Cleveland, O. "Fitz-All"
Whitaker Mfg. Co., Chicago, Ill.

SETS, Soldering

Allen (L. B.) Co., Inc., 6731 Bryn Mawr Av., Chicago, Ill.
Arcade Mfg. Co., Freeport, Ill.
Barrett, Wm. L., Bristol, Conn. "Handy," "Household," "Leader"
Bullock Mfg. Associates, Div. of Parker Wire Goods Co., Worcester, Mass.
Burnley Battery & Mfg. Co., North East, Pa.
Dunton (M. W.) Co., Providence, R. I. "Nokorode Solderkit"
Millers Falls-Goodell Pratt Co., Greenfield, Mass. "Gem"
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Pfanstiehl Chemical Co., Waukegan, Ill. "Speco"
Stover Mfg. & Engine Co., Freeport, Ill. "Ideal"

SETS, Table, Children's

Converse-Mason Corp., Winchendon, Mass.
Wallace Bros., Wallingford, Conn. "W.B.W."

SETS, Tea, Toy

Aluminum Goods Mfg. Co., Manitowoc, Wis. (Aluminum)
Aluminum Specialty Co., Manitowoc, Wis.
Ohio Art Co., Bryan, O.
Wolverine Supply & Mfg. Co., Pittsburgh, Pa. "Sandy Andy"

SETS, Tool—See Kits, Tool

SETS, Tool, Garden

Animal Trap Co. of America, Lititz, Pa. "Trump"
C-K-R Company, Cleveland, O. "Cronk," "Little Giant"
Kees (F. D.) Mfg. Co., Beatrice, Neb.
Stanley Wks., New Britain, Conn.

SETS, Tool, Hollow Handle
(See also Tools, Combination)

Bergman Tool Mfg. Co., Buffalo, N. Y.
Day Co., Clinton, Conn. "Handikit"
Dikeman Mfg. Co., Norwalk, Conn.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Robinson (M. W.) Co., 28 Warren, New York, N. Y.
Stanley Wks., New Britain, Conn.

SETS, Tool, Radio

Millers Falls-Goodell Pratt Co., Greenfield, Mass.
North Bros. Mfg. Co., Phila., Pa. "Yankee"

SETS, Water, Vacuum

American Thermos Bottle Co., 366 Madison Av., New York, N. Y. "Icy-Hot," "Thermos"
Hocking Glass Co., Lancaster, O.
Landers, Frary & Clark, New Britain, Conn. "Stanley," "Universal"
Manning, Bowman & Co., Meriden, Conn. "Hotakold"

SETS, Window, Cellar

Caldwell Mfg. Co., Rochester, N. Y. "Acme"
Corbin, P. & F., New Britain, Conn.
Detroit Wks., Detroit, Mich.
Frantz Mfg. Co., Sterling, Ill.
Griffin Mfg. Co., Erie, Pa.
Ives (H. B.) Co., New Haven, Conn.
Kees (F. D.) Mfg. Co., Beatrice, Neb.
Lawrence Bros., Sterling, Ill.
McKinney Mfg. Co., Pittsburgh, Pa.
National Mfg. Co., Sterling, Ill.
Russell & Erwin Mfg. Co., New Britain, Conn. "Russwin"
Sargent & Co., New Haven, Conn.
Sharon Hdw. Mfg. Co., Sharon, Pa.
Shelby Spring Hinge Co., Shelby, O.
Stanley Wks., New Britain, Conn.
Western Brass Mfg. Wks., Chicago, Ill.

SETS, Wrench—See Sets, Socket Wrench

SETTEES, Iron—See Furniture, Garden, Lawn and Porch

SETTEES, Lawn—See Furniture, Garden, Lawn and Porch

SETTEES, Wire—See Furniture, Garden, Lawn and Porch

SEWAGE DISPOSAL—See Toilets, Waterless; also Tanks, Septic

SEWER SOLVENTS—See Solvents, Sewer

SEWING AWLS—See Awls, Sewing

SEWING MACHINES—See Machines, Sewing

SEWING MACHINES, Repair Parts For—See Repair, Sewing Machines

SEWING TWINE—See Twine, Sewing

SHACKLE BOLTS—See Bolts, Shackle

SHACKLES, Anchor

American Chain Co., Inc., Bridgeport, Conn. "Acco"
American Logging Tool Co., Evart, Mich.
Bacon & Matheson Forge Co., Seattle, Wash.
Bonney Forge & Tool Wks., Allentown, Pa.
Laughlin (Thos.) Co., 199 Fore, Portland, Me.
Maine Steel Products Co., South Portland, Me.
Merrill Bros., Maspeth, N. Y.
Newhall Chain, Forge & Iron Co., 48 W. Broadway, New York, N. Y.
Wilcox, Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.

SHACKLES, Chain

American Chain Co., Inc., Bridgeport, Conn. "Acco"
Bonney Forge & Tool Wks., Allentown, Pa.
Bridgeport Chain & Mfg. Co., Bridgeport, Conn.
Keystone Forging Co., Northumberland, Pa.
Laughlin (Thos.) Co., 199 Fore, Portland, Me.
McKay Company, Union Arcade, Pittsburgh, Pa.
McMillian's (W. H.) Sons, 49 South, New York, N. Y.
Malleable Iron Fittings Co., 10 Nichols, Branford, Conn.
Maine Steel Products Co., South Portland, Me.
Merrill Bros., Maspeth, N. Y.
Newhall Chain, Forge & Iron Co., 48 W. Broadway, New York, N. Y.
Pittsburgh Knife & Forge Co., Pittsburgh, Pa.
Pratt (Wm. E.) Mfg. Co., Chicago, Ill.
Ransome Concrete Mchy. Co., Dunellen, N. J.
Taylor (S. G.) Chain Co., Hammond, Ind.
Wilcox, Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.

SHACKLES, Wire Rope

American Steel & Wire Co., 208 S. LaSalle, Chicago, Ill.
Laughlin (Thos.) Co., 199 Fore, Portland, Me.
Maine Steel Products Co., South Portland, Me.

SHADE BRACKETS—See Rollers and Fixtures, Shades

SHADE CORD—See Cord, Shade

SHADE FIXTURES—See Rollers and Fixtures, Shade

SHADEPULLS—See Pulls, Window Shade

SHADE ROLLERS—See Rollers and Fixtures, Shade

SHADES, Lamp

Art Shade Co., Chicago, Ill.
Brock Glass Co., Ltd., Santa Ana, Calif. "Opal"
Coleman Lamp & Stove Co., Wichita, Kan. (China)
Handel Co., Meriden, Conn.
Imperial Glass Co., Bellaire, O. (Electric)
McKee Glass Co., Jeannette, Pa. (Glass)
Molding Corp. of America, Providence, R. I.
Mulvaney Art Studios, Chicago, Ill. (Glass & Silk)
Mutual Sunset Lamp Mfg. Co., 21 E. Houston, New York, N. Y. (Silk)
Utility Shade Co., Tenafly, N. J. (Paper)

SHADES, Lamp, Fabric

Acme Lamp Shade Co., Chicago, Ill.
Idealite Electric Lamp Shade Mfg. Co., Inc., 1140 Broadway, New York, N. Y. (Parchment)
Kelton Mfg. Co., Worcester, Mass.
Majestic Lamp Shade Co., 136 W. 21st, New York, N. Y.
Maxwell-Ray Co., Milwaukee, Wis.
Miller Co., Meriden, Conn.
Mulvaney Art Studios, Chicago, Ill. (Parchment)
Patent Lamp Shade Co., Phila., Pa.
R. D. Elec. Co., Fort Wayne, Ind.
Sanderson's Art Co., Milwaukee, Wis.
Tinsel Corp. of America, 747 Bedford Av., Brooklyn, N. Y. (Parchment)
Treasure Chest, Asheville, N. C. (Parchment)

SHADES, Lamp, Metallic

A. A. Elec. Mfg. Co., Bridgeport, Conn.
Faries Mfg., Decatur, Ill.
Frink Corp., 23 Bridge Plaza, Long Island City, N. Y.
Hubbell (Harvey) Inc., Bridgeport, Conn.
Miller Co., Meriden, Conn.
Western Reflector Co., Chicago, Ill.
Wheeler Reflectors Co., Boston, Mass.

SHADES, Lamp, Mica

Huse-Liberty Mica Co., Boston, Mass.
Mutual-Sunset Lamp Mfg. Co., 21 E. Houston, New York, N. Y.
Tar Heel Mica Co., Plumtree, N. C.

SHADES, Porch

Aeroshade Co., Waukesha, Wis. "Aerolux"
Clifton Mfg. Co., Waco, Texas
Gary (Theo. H.) Co., 21 E. 40th, New York, N. Y.

SHADES, Window

Aeroshade Co., Waukesha, Wis.
Andrews (A. H.) Co., Chicago, Ill.
Bailey & Weston, Boston, Mass.
Columbus Mills of Cal., Los Angeles, Cal.
Columbia Mills, Inc., 225 5th Av., New York, N. Y.
DuPont (E. I.) de Nemours & Co., Newburgh, N. Y. (Washable)
Harmon (F. S.) Co., Tacoma, Wash.

SHADES, Window (Continued)

Hartshorn, Stewart Co., 250 5th Av., New York, N. Y.
Hough Shade Corp., Chicago, Ill.
Maxwell (S. A.) & Co., Inc., Chicago, Ill.
Pabst & Co., Phila., Pa.
Seinsheimer Paper Co., Cincinnati, O. "Shademore" (Fibre)
Shademore Mfg. Co., 1225 Exeter, Cincinnati, O.
Volker (Wm.) & Co., Kansas City, Mo.
Western Shade Cloth Co., Chicago, Ill.
Weiss & Klau Co., 462 Broadway, New York, N. Y.

SHAFT COUPLERS—See Couplers, Shaft

SHAFT EYES—See Eyes, Pole & Shaft

SHAFTS, Golf

American Fork & Hoe Co., Cleveland, O. "True Temper" (Steel)
Burke Golf Co., Newark, O.
Crawford, McGregor & Canby Co., Dayton, O.
Dayton Handle & Golf Co., Dayton, O.
Fairy Crest Mfg. Co., Jonesboro, Ark.
Great Lakes Golf Corp., Milwaukee, Wis.
Horton Mfg. Co., Bristol, Conn. "Bristol"
Ken-Wel Sporting Goods Co., Utica, N. Y.

SHAKERS, Pepper—See Shakers, Salt and Pepper

SHAKERS, Salt and Pepper

Aluminum Goods Mfg. Co., Manitowoc, Wis.
Aluminum & Metal Products Corp., Buffalo, N. Y. "Magic"
Aluminum Specialty Co., Manitowoc, Wis.
Combination Shaker Co., Los Angeles, Cal. "Table Twins"
Fargo Aluminum Co., Taunton, Mass. "Luncho"
Gibbs (W. A.) & Son, Chester, Pa.
Imperial Metal Mfg. Corp., 38-01 Queens Blvd., Long Island City, N. Y. "Pepsal"
Kreamer (A.) Inc., 307 Kent Av., Bklyn, N.Y.
Owens-Illinois Glass Co., Toledo, O. "Tea Time"
Richardson Co., Melrose Park, Ill. "Richelain"
Robeson-Rochester Corp., Rochester, N. Y. "Royal Rochester"
Standard Aluminum Co., Two Rivers, Wis.
Stratton Mfg. Co., Stratton, Me.
Turner & Seymour Mfg. Co., Torrington, Conn.
United States Glass Co., Pittsburgh, Pa.
Washburn Company, Worcester, Mass.

SHARPENER, Saw Machine—See Machine, Saw Sharpener

SHARPENERS, Disc

Easy Way Mfg. Co., Cresco, Ia. "E-Z Way"
Herschel (R.) Mfg. Co., Peoria, Ill. "Reliable"
Murray Iron Wks. Co., Burlington, Ia. "Monarch"
Perfection Mfg. Co., Monmouth, Ill. "Holmes"
Rockford Mfg. Co., Rockford, Ill. "Ideal"
Skow Mfg. Co., Newton, Ia.
Walker Mfg. Co., Omaha, Neb. "Novelty"

SHARPENERS, Knife

Acme Metal Goods Mfg. Co., 2 Orange, Newark, N. J.
American Motor Products Co., 451 Greenwich, New York, N. Y. "Venus"
American Stainless Knife Co., Chicago, Ill.
Angsten (H. W.) Co., Michigan City, Ind. "Black Diamond"
Atlas-Ansonia Co., New Haven, Conn. "Rapid"
Carborundum Co., Niagara Falls, N. Y.
Central States Mfg. Co., St. Louis, Mo. "Speedo"
Chatillon (John) & Sons, 85 Cliff, New York, N. Y. "Duplex"
Dazey Churn & Mfg. Co., St. Louis, Mo. "Sharpit"
De Sanno (A. P.) & Son, Phila., Pa. "Rodiac"
Electric Sharpener Co., Stoughton, Mass. "Carbo-Diamond Grit"
Evans (S. W.) & Son, Phila., Pa.
Geller-Wilkinson Co., Owego, N. Y. "G.W.," "Rite-Way"
Goodrich Grinding Wheel Co., Chicago, Ill. "Carbo Magneto"
Jiffy Co., Phila., Pa.
Lake Mfg. Co., Clarendon, Va. "Little Wonder"
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass. "Anchor," "Ashoyton"
Leetonia Tool Co., Leetonia, O. "Sharp-Em-Quick"
Luther Grinder & Tool Co., 145 W. Seeboth, Milwaukee, Wis. "Jiffy"
Mayvin Mfg. Co., Medina, N. Y.
Modern Grinder Mfg. Co., Milwaukee, Wis. "Gem"
Norton Pike Co., Pike, N. H. "Arkansas," "Fast Cut," "India," "Kantbreak," "Krystolo," "Lily-White," "Natural Grit," "Pike Carvo," "Quick-cut," "Quick Edge"
Phillips-Laffitte Co., Inc., Phila., Pa. "Zip"
Pioneer Mfg. Co., Chicago, Ill. "Pioneer"
Reliable Mfg. Co., New Haven, Conn.
Remington Arms Co., Inc., Bridgeport, Conn.
Samson-United Corp., Rochester, N. Y. "Samson De Luxe Speedy"
Shelton Cutlery Co., Shelton, Conn. "Davidson"
Spengler-Loomis Mfg. Co., Chicago, Ill. "Kwick-sharp"
Technical Products Co., Pittsburgh, Pa. "Isenite," "Vee"
Turner & Seymour Mfg. Co., Torrington, Conn. "Monarch"
Wade & Butcher Corp., 190 Baldwin Av., Jersey City, N. J.
Washburn Company, Worcester, Mass.
Weck (Edward) & Co., Inc., 206 Broadway, New York, N. Y.
White (Ira F.) & Son Co., Bloomfield, N. J.
Wisconsin Abrasive Co., Milwaukee, Wis. "Blue Diamond"

SHARPENERS, Lawn Mower, Hand

Berghman Co., Chicago, Ill.
Foley Mfg. Co., Minneapolis, Minn. "Justrite"
Guarantee Knife Sharpener Co., York, Pa.
Troy File Works, Troy, N. Y.

SHARPENERS, Lawn Mower, Machine

Fate-Root-Heath Co., 1333 High, Plymouth, O. "Ideal," "Peerless"
Foley Mfg. Co., Minneapolis, Minn. "Justrite"
Luther Grinder & Tool Co., 145 W. Seeboth, Milwaukee, Wis.
Wells Mfg. Co., Greenfield, Mass.

SHARPENERS, Pencil

Atlas-Ansonia Co., New Haven, Conn. "Aeroplane," "Anco," "Master," "Midget"
Automatic Pencil Sharpener Co., Chicago, Ill. "Dandy"
Eagle Pencil Co., 703 East 13th, New York, N. Y.
Gilbert (A. C.) Co., New Haven, Conn. "Boston Polar Cub" (Electric)
Goodell Co., Antrim, N. H.
Graff (Geo. B.) Co., Cambridge, Mass. "Graffco"
Specialty Mfg. Co., Decatur, Ill.
Spengler-Loomis Mfg. Co., Chicago, Ill.
Stewart (J. K.) Mfg. Co., Chicago, Ill.
Traut & Hine Mfg. Co., New Britain, Conn.
Webster (F. S.) Co., Boston, Mass.
Whitacre (J. E.) Co., Rockford, Ill. "Little Yankee"

SHARPENERS, Razor Blade

Allegro Co., 170 Thomas, Newark, N. J.
Bello Corp., Gardner, Mass.
Champion, Frank M., Utica, N. Y.
Hartford Products Corp., Hartford, Conn. "Ritz"
Keenex Razor Sharpener Co., Toledo, O.
Monroe Specialty Co., Stamford, Conn.
Odell Mfg. Co., Los Angeles, Cal.
Paco Sharpener Corp., Providence, R. I.
Segal Safety Razor Corp., 12 Warren, New York, N. Y.
Strong Machinery & Supply Co., 110 E. 23rd, New York, N. Y. "Hatfield"
U. S. Specialty Mfg. Co., West Somerville, Mass.

SHARPENERS, Scissors

American Motor Products Co., 451 Greenwich, New York, N. Y. "Venus"
Central States Mfg. Co., St. Louis, Mo. "Speedo"
Dazey Churn & Mfg. Co., St. Louis, Mo. "Sharpit"
Evans (S. W.) & Son, Phila., Pa.
Geller-Wilkinson Co., Owego, N. Y. "G-W.," "Rite-way"
Jiffy Co., Phila., Pa.
Lake Mfg. Co., Clarendon, Va. "Little Wonder"
Leetonia Tool Co., Leetonia, O. "Sharp-Em-Quick"
Luther Grinder & Tool Co., 145 W. Seeboth, Milwaukee, Wis. "Jiffy"
Norton Pike Co., Pike, N. H. "Bevelrite"
Technical Products Co., Pittsburgh, Pa. "Vee"

SHARPENERS, Skate

(See also Grinders, Skates)

Berghman Co., Chicago, Ill.
Fate-Root-Heath Co., 1333 High, Plymouth, O.
Ferrodowill Mfg. Co., St. Paul, Minn.
Johnson (Alfred) Skate Co., Chicago, Ill.
Johnson (Nestor) Mfg. Co., 1900 N. Springfield, Chicago, Ill.
Luther Grinder & Tool Co., 145 W. Seeboth, Milwaukee, Wis. (Electric)
Norton Pike Co., Pike, N. H.
Olmstead (L. H.) Mfg. Co., Hasbrouck Heights, N. J.
Planert (F. W.) & Sons, Chicago, Ill. (Jig)
Progressive Machinery Co., Minneapolis, Minn.
Troy File Wks., Troy, N. Y.
Union Hdw. Co., Torrington, Conn.
Wells Mfg. Co., Greenfield, Mass.

SHARPENERS, Tool

Wells Mfg. Co., Greenfield, Mass.

SHARPENING MACHINES, Safety Razor—See Sharpeners, Razor Blade

SHARPENING STEELS—See Steels, Knife Sharpening

SHAVERS, Ice

American Knife Co., Baldwinsville, N. Y.
American Saw & Tool Wks., Western Av. & 14th, Chicago, Ill.
Arcade Mfg. Co., Freeport, Ill.
Briddell, Chas. D., Crisfield, Md.
Clawson Machine Co., Flagtown, N. J. "Jack Frost," "Snow Ball," "Snow King" (Electric & Hand Power)
Clipper Fountain Supply Co., Troy, N. Y.
Columbus Handle & Tool Corp. Works of The National Handle Co., Columbus, Ind.
Duffy Mfg. Co., Chicago, Ill.
Gilchrist Co., 236 Bank, Newark, N. J. "Yankee"
Giles & Nielson Nickel Wks., Troy, N. Y.
Grey Iron Casting Co., Mt. Joy, Pa.
Griswold Mfg. Co., Erie, Pa.
Gruman Ice Tool Wks., Branchville, Conn.
Landers, Frary & Clark, New Britain, Conn. "Universal"
Nicol & Co., Chicago, Ill. "White City"
North Bros., Mfg. Co., Philadelphia, Pa. "Gem"
Staatsburg Ice Tool Works, Staatsburg-on-the-Hudson, N. Y.
Stortz (John) & Son, Phila., Pa.
Stover Mfg. & Engine Co., Freeport, Ill. "Ideal"
Wrightsville Hdw. Co., Wrightsville, Pa.

SHAVERS, Meat—See Slicers, Meat

SHAVES, Coopers'

White (L. & I. J.) Co., Division of the Simonds-Worden-White Co., Dayton, O.

SHAVES, Draw—See Knives, Drawing

SHAVES, Spoke

Atkins (E. C.) & Co., Indianapolis, Ind.
Johnson (William), Inc., 36 Brenner, Newark, N. J.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Smith (Seymour) & Son, Inc., Oakville, Conn.
Stanley Wks., New Britain, Conn.
Stearns (E. C.) & Co., Syracuse, N. Y. "Stearns Ecsco"
Swan (James) Co., Seymour, Conn.

SHAVING BRUSHES—See Brushes, Shaving

SHAVING MIRRORS—See Mirrors, Shaving

SHAVING SOAPS—See Soaps, Shaving

SHAVINGS, Steel—See Steel, Wool

SHEARING MACHINES, Goat—See Shearing Machines, Sheep

SHEARING MACHINES, Sheep

(See also Shears, Sheep)

Chicago Flexible Shaft Co., Chicago, Ill. "Stewart"
Coates Clipper & Mfg. Co., Worcester, Mass.

SHEARS, Bar and Serpentine Cutting

Edwards (C. D.) Mfg. Co., Inc., Albert Lea, Minn.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.

SHEARS, Barbers'

Boker (H.) & Co., 101 Duane, New York, N. Y.
Heinisch (R.) Sons Wks., 109 Bruce, Newark, N. J.
Henckels (J. A.), Inc., 456 4th Av., New York, N. Y. "Twin Brand," "Welkut"
Kinfolks, Inc., Little Valley, N. Y.
Remington Arms Co., Inc., Bridgeport, Conn.
Wiss (J.) & Sons Co., 29 Littleton Av., Newark, N. J.

SHEARS, Bench

Bartlett Mfg. Co., Detroit, Mich.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Simonsen Iron Wks., Sioux Rapids, Ia. "Hot Trimmer"

SHEARS, Compound

Bartlett Mfg. Co., Detroit, Mich.

SHEARS, Grass

Alliance Mfg. Co., Alliance, O. "Doo-Klip"
Berridge Shear Co., Sturgis, Mich.
Boker (H.) & Co., Inc., 101 Duane, New York, N. Y. "Hy-Lo," "Keen-Clip," "Trenton"
Burns Mfg. Co., Syracuse, N. Y. (Serrated Edge)
C-K-R Company, Cleveland, O. "Cronk"
Columbian Cutlery Co., Reading, Pa.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Ennis Mfg. Co., Reading Pa.
Evansville Tool Wks., Inc., Evansville, Ind.
Heimerdinger (W. C.) Co., Inc., Louisville, Ky.
Heinisch (R.) Sons Wks., 109 Bruce, Newark, N. J.
Keiser Mfg. Co., Reading, Pa. "Western"
Leitenberger, John, Norristown, Pa. "Yeakel"
North Wayne Tool Co., Oakland, Me. "Lightning," "Little Giant"
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Seymour Mfg. Co., Seymour, Ind.

SHEARS, Grass (Continued)

Smith (Seymour) & Son, Inc., Oakville, Conn. "Handy"
Snyder (Walter) Co., Phila., Pa.
Stanley Wks., New Britain, Conn. "Pleasure Trim"
Village Blacksmith Folks, Watertown, Wis. "Grasnip"
Wheeler Metal Products Corp., East Cleveland, O. "Goodwin," "Goodwin Junior"
Wiss (J.) & Sons Co., 29 Littleton Av., Newark, N. J.
Wonder Mfg. Co., Cleveland, O.

SHEARS, Hedge

Bartlett Mfg. Co., Detroit, Mich. (Electric and Hand)
Boker (H.) & Co., 101 Duane, New York, N. Y. "Tree Brand"
C-K-R Company, Cleveland, O.
Clyde Cutlery Co., Clyde, O.
Columbia Cutlery Co., Reading, Pa.
Disston (Henry) & Sons (Tacony), Phila., Pa.
Ennis Mfg. Co., Reading, Pa.
Grey Iron Casting Co., Mt. Joy, Pa.
Heimerdinger (W. C.) Co., Inc., Louisville, Ky.
Heinisch (R.) Sons Wks., 109 Bruce, Newark, N. J.
Keiser Mfg. Co., Reading, Pa.
Leitenberger, John, Norristown, Pa. "Yeakel"
Seymour Mfg. Co., Seymour, Ind.
Smith (Seymour) & Son, Inc., Oakville, Conn.
Village Blacksmith Folks, Watertown, Wis.
Wiss (J.) & Sons Co., 29 Littleton Av., Newark, N. J. "Marvelous"

SHEARS, Kitchen

Berridge Shear Co., Sturgis, Mich. (Serrated Blade, Stainless)

SHEARS, Lopping

Boker (H.) & Co., 101 Duane, New York, N. Y.
Bartlett Mfg. Co., Detroit, Mich.
C-K-R Company, Cleveland, O. "Cronk"
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Henry (J. T.) Mfg. Co., Camden, Conn.
Smith (Seymour) & Son, Inc., Oakville, Conn. "California," "Ezy-Cut," "Justrite," "Redland," "Rockdale"

SHEARS, Mule and Horse

Berridge Shear Co., Sturgis, Mich.
Clyde Cutlery Co., Clyde, O.
Columbian Cutlery Co., Reading, Pa.
Heimerdinger (W. C.) Co., Inc., Louisville, Ky.

SHEARS, Office

Eversharp Shear Co., Bridgeport, Conn.
Remington Arms Co., Inc., Bridgeport, Conn. (also Desk Sets)
Wiss (J.) & Sons Co., 29 Littleton Av., Newark, N. J.

SHEARS, Paper Hangers

Clyde Cutlery Co., Clyde, O.
Heinisch (R.) Sons Wks., 109 Bruce, Newark, N. J.
Hyde Mfg. Co., Southbridge, Mass.
Ridgely Trimmer Co., Springfield, O.

SHEARS, Pinking

American Pinking Shears Corp., 158 Green, New York, N. Y.

SHEARS, Pruning

(See also Pruners, Tree)
Alliance Mfg. Co., Alliance, O. "Doo-Klip"
American Logging Tool Co., Evart, Mich.
Atkins (E. C.) & Co., Indianapolis, Ind.
Bartlett Mfg. Co., Detroit, Mich.
Boker (H.) & Co., 101 Duane, New York, N. Y. "Duo-Kut," "Red-Wing," "Tree Brand"
C-K-R Company, Cleveland, O. "Buckeye," "Cronk," "Fresno"
Cartwright, J. M., Malaga, Cal.
Clauss Shear Co., Fremont, O.
Clyde Cutlery Co., Clyde, O. "Cartwright," "Sacramento," "Red Clipper"
Columbian Cutlery Co., Reading, Pa.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Ennis Mfg. Co., Reading, Pa.
Gray Iron Foundry Co., Reading, Pa.
Grey Iron Casting Co., Mt. Joy, Pa.
Heimerdinger (W. C.) Co., Inc., Louisville, Ky.
Heinisch (R.) Sons Wks., 109 Bruce, Newark, N. J.
Henckels (J. A.), Inc., 456 4th Av., New York, N. Y. "Twin Brand," "Welkut"
Henkel Co., Fremont, O.
Henry (John T.) Mfg. Co., Hamden, Conn.
Kingsbury Mfg. Co., Keene, N. H.
Nagley Transplanter Co., Memphis, N. Y. "Diamond Edge," "Giant"
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Rhodes Mfg. Co., Grand Rapids, Mich.
Schollhorn (Wm.) Co., New Haven, Conn. "Bernard"
Smith (Seymour) & Son, Inc., Oakville, Conn. "California," "Concord," "Ezy-Cut," "Justrite," "Levin," "Redlands," "Rockdale," "Snap-Cut," "Swiss," "Telephone," "Vineyard," "Wheel Spring"
Tiffany, Carroll R., Conklin, N. Y.
Village Blacksmith Folks, Watertown, Wis.
Voos Co., Inc., New Haven, Conn.
Wiss (J.) & Sons Co., 29 Littleton Av., Newark, N. J.

SHEARS, Sheep

(See also Shearing Machines, Sheep)

Apex Mfg. Co., Inc., Syracuse, N. Y.
Boker (H.) & Co., 101 Duane, New York, N. Y. "Trenton"
Columbian Cutlery Co., Reading, Pa.
Heimerdinger (W. C.) Co., Inc., Louisville, Ky.
Keiser Mfg. Co., Reading, Pa.
Village Blacksmith Folks, Watertown, Wis.

SHEARS, Tailors'

Wiss (J.) & Sons Co., 29 Littleton Av., Newark, N. J.

SHEARS, Tinners'—See Snips, Tinners'

SHEARS and SCISSORS

(See also Scissors)

Acme Shear Co., Bridgeport, Conn. "Colonial," "Eversharp"
Atlas Shear Co., Bridgeport, Conn.
Berridge Shear Co., Sturgis, Mich.
Boker (H.) & Co., 101 Duane, New York, N. Y. "Tree Brand"
Boye Needle Co., 101 Duane, New York, N. Y.
Bridgeport Shear Co., Bridgeport, Conn. "Bridgeport," "Pembroke," "Rosedale"
Cattaraugus Cutlery Co., Little Valley, N. Y. "Mirical," "Seneca"
Clauss Shear Co., Fremont, O.
Clayton Mfg. Co., Bristol, Conn. "Utility"
Compton (W. H.) Shear Co., 314 Camden, Newark, N. J. "Reliance"
Continental Mfg. Co., 37 W. 23rd, New York, N. Y.
Eversharp Shear Co., Bridgeport, Conn.
Heinisch (R.) Sons Wks., 109 Bruce, Newark, N. J.
Henckels (J. A.), Inc., 456 4th Av., New York, N. Y. "Welkut"
Hollinger Cutlery Co., Fremont, O.
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass. "Anchor"
Landers, Frary & Clark, New Britain, Conn. "Universal"
Matern Cutlery Co., Tipton, Ind.
Remington Arms Co., Inc., Bridgeport, Conn.
Robeson-Rochester Corp., Rochester, N. Y.
Union Cutlery Co., Olean, N. Y.
Winchester Repeating Arms Co., New Haven, Conn.
Wiss (J.) & Sons Co., 29 Littleton Av., Newark, N. J.

SHEATHING, Building, Felt

(See also Paper, Roofing, Building and Sheathing)

Barber Asphalt Co., Phila., Pa. "Genasco"
Barrett Co., 40 Rector, New York, N. Y. "Jack Frost," "Nox-em-all"
Berkheimer (J. E.) Mfg. Co., Tacoma, Wash. "Bermanco"
Certain-teed Products Corp., 100 E. 42d, New York, N. Y.
Johns-Manville, Inc., Madison Av. at 41st, New York, N. Y. "Keystone"
Keystone Hair Insulator Co., Pittsburgh, Pa.
New England Felt Roofing Wks., Boston, Mass.
Newton Paper Co., Holyoke, Mass.
Ruberoid Co., 95 Madison Av., New York, N. Y.
Union Fibre Co., Winona, Minn. "Linofelt"
Watson (H. F.) Co., Erie, Pa.

SHEATHING NAILS—See Nails, Roofing

SHEATHING PAPER—See Paper, Roofing, Sheathing and Building

SHEATHS, Axe

Alward-Anderson-Southard Co., Chicago, Ill.
Brauer Bros., Inc., St. Louis, Mo. "Moose Brand"
Collins Co., Collinsville, Conn. "Legitimus"
Estwing Mfg. Co., Rockford, Ill.
Graton & Knight Co., Worcester, Mass.
Lefkowitz (Louis) & Bro., 1 Greene, New York, N. Y.
Marble Arms & Mfg. Co., Gladstone, Mich.
Rome Sporting Goods Mfg. Co., Rome, N. Y.

SHEATHS, Knife

Brauer Bros., Inc., St. Louis, Mo.
Graton & Knight Co., Worcester, Mass.
Lefkowitz (Louis) & Bro., 1 Greene, New York, N. Y.
Marble Arms & Mfg. Co., Gladstone, Mich.
Remington Arms Co., Inc., Bridgeport, Conn.
Rome Sporting Goods Mfg. Co., Rome, N. Y.
Schoellkopf Co., Dallas, Tex.
Weed (L. M.) Co., Birmingham, N. Y.
Wyeth Hdw. & Mfg. Co., St. Joseph, Mo.

SHEAVES, Sliding Door

Corbin, P. & F., New Britain, Conn.
Garden City Plating & Mfg. Co., Chicago, Ill.
Grant Pulley & Hdw. Co., 101 Park Av., New York, N. Y.
Keil (Francis) & Son, Inc., 401 E. 163d, New York, N. Y.
Knape & Vogt Mfg. Co., Grand Rapids, Mich.
Morton, Thomas, 249 Center, New York, N. Y.
National Lock Co., Rockford, Ill.
Norwalk Lock Co., 12 Warren, New York, N. Y.
Sargent & Co., New Haven, Conn.
Western Block Co., Lockport, N. Y.

SHEEP BELLS—See Bells, Cow and Sheep

SHEEP CLIPPING MACHINES—See Clipping Machines, Sheep

SHEEP SHEARING MACHINES—See Shearing Machines, Sheep

SHEEP SHEARS—See Shears, Sheep

SHEET FIBRE—See Fibre, Sheet

SHEET LEAD—See Lead, Sheet

SHEET METAL FERRULES—See Ferrules, Tin and Sheet Metal

SHEET METAL GAGES—See Gages, Sheet Metal; also Gages, Micrometer

SHEET METAL PRODUCTS

Milcor Steel Co., Milwaukee, Wis.

SHEET METAL WORKERS' TOOLS—See Tools, Sheet Metal Workers'

SHEET RUBBER PACKING—See Packing, Rubber, Sheet

SHEET ZINC—See Zinc, Sheet

SHEETS, Black

Allegheny Steel Co., Brackenridge, Pa.
American Rolling Mill Co., Middletown, O. "Armco"
American Sheet & Tin Plate Co., Pittsburgh, Pa. (also corrugated)
Apollo Steel Co., Apollo, Pa. (also corrugated)
Ashland Co. Div., American Rolling Mill Co., Ashland, Ky.
Berger Mfg. Co., Canton, O. "Berloy" (also corrugated)
Bethlehem Steel Co., Bethlehem, Pa.
Canonsburg Steel & Iron Works, Canonsburg, Pa.
Central Alloy Steel Corp., Massillon, O.
Continental Steel Corp., Kokomo, Ind.
Edwards Mfg. Co., Cincinnati, O. "Edmanco"
Falcon Steel Co., Niles, O. (also corrugated)
Globe Iron Roofing & Corrugating Co., Inc., Newport, Ky.
Gulf States Steel Co., Birmingham, Ala. "Gulfsteel"
Halcomb Steel Co., Syracuse, N. Y.
Illingsworth (John) Steel Co., Phila., Pa.
Indiana Rolling Mill Co., Newcastle, Ind.
Inland Steel Co., Chicago, Ill.
Jessop Steel Co., Washington, Pa.
Jones & Laughlin Steel Co., Pittsburgh, Pa.
McCullough Iron Co., Wilmington, Del.
Mahoning Valley Steel Co., Niles, O. (also corrugated)
Massillon Rolling Mill Co., Massillon, O.
Milcor Steel Co., Milwaukee, Wis.
Newport Rolling Mill Co., Newport, Ky.
Newton Steel Co., Newton Falls, O.
Osborn (J. M. & L. A.) Co., Cleveland, O.
Otis Steel Co., Cleveland, O.
Parkersburg Iron & Steel Co., Parkersburg, W. Va. (also corrugated)
Reeves Mfg. Co., Dover, O.
Republic Iron & Steel Co., Youngstown, O.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Seneca Iron & Steel Co., Buffalo, N. Y.
Sharon Steel Hoop Hoop Co., Sharon, Pa.
Simonds Saw & Steel Co., Fitchburg, Mass.
Sligo Iron & Steel Co., Connellsville, Pa.
Superior Sheet Steel Co., Canton, O.
Taylor (N. & G.) Co., Phila., Pa.
Tremont Nail Co., West Wareham, Mass.
Trumbull Steel Co., Warren, O.
Universal Steel Co., Bridgeville, Pa.
Warren Iron & Steel Co., Warren, O.
West Penn Steel Co., Brackenridge, Pa.
Wheeling Corrugating Co., Wheeling, W. Va.
Wheeling Steel Corp., Wheeling, W. Va. "Cop-R-Loy," "Wheeling"
Wilkes Rolling Mill Co., Sharon, Pa. (also corrugated)
Wood (Alan) Iron & Steel Co., Phila., Pa.
Wyoming Shovel Works, Wyoming, Pa.
Youngstown Steel Products Co., Youngstown, O.

SHEETS, Cotton Picker

Fulton Bag & Cotton Mills, Inc., 330 Wythe Av., B'klyn, N. Y.

SHEETS, Galvanized

American Rolling Mill Co., Middletown, O. "Armco"
American Sheet & Tin Plate Co., Pittsburgh, Pa. (also corrugated)
Apollo Steel Co., Apollo, Pa. (also corrugated)
Ashland Co. Div., American Rolling Mill Co., Ashland, Ky.

SHEETS, Galvanized (Continued)

Berger Mfg. Co., Canton, O. "Berloy"
Bethlehem Steel Co., Bethlehem, Pa.
Canonsburg Steel & Iron Wks. Canonsburg, Pa.
Central Alloy Steel Co., Massillon, O.
Continental Steel Corp., Kokomo, Ind.
Edwards Mfg. Co., Cincinnati, O. "Edmanco"
Falcon Steel Co., Niles, O. (also corrugated)
Gem Stamping Steel Co., Chelsea, Boston, Mass.
Globe Iron Roofing & Corrugating Co., Inc., Newport, Ky.
Gulf States Steel Co., Birmingham, Ala. "Gulf-steel"
Inland Steel Co., Chicago, Ill.
Klauer Mfg. Co., Dubuque, Ia.
La Belle Iron Works, Steubenville, O.
Lamb & Ritchie Co., Cambridge, Mass.
McCullough Iron Co., Wilmington, Del.
Mahoning Valley Steel Co., Niles, O. (also corrugated)
Milcor Steel Co., Milwaukee, Wis.
National Sheet Metal Roofing Co., 339 Grand, Jersey City, N. J.
New Delphos Mfg. Co., Delphos, O.
Newport Rolling Mill Co., Newport, Ky.
Norcor Mfg. Co., Green Bay, Wis.
Ohio Galvanizing & Mfg. Co., Niles, O. (also corrugated)
Osborn (J. M. & L. A.) Co., Cleveland, O.
Otis Steel Co., Cleveland, O.
Parkersburg Iron & Steel Co., Parkersburg, W. Va. (also corrugated).
Pittsburgh Galvanizing Co., Pittsburgh, Pa. (also corrugated).
Reeves Mfg. Co., Dover, O.
Republic Iron & Steel Co., Youngstown, O.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Seneca Iron & Steel Co., Buffalo, N. Y.
Sharon Steel Hoop Co., Sharon, Pa.
Souther (E. E.) Iron Co., St. Louis, Mo.
Superior Sheet Steel Co., Canton, O.
Taylor (N. & G.) Co., Phila., Pa.
Trumbull Steel Co., Warren, O.
Wheeling Corrugating Co., Wheeling, W. Va.
Wheeling Steel Corp., Wheeling, W. Va. "Wheeling"
Youngstown Steel Products Co., Youngstown, O.

SHEETS, Perforated

Braun (J. G.) Co., Chicago, Ill.

SHEETS, Steel, Planished and Polished

Allegheny Steel Co., Brackenridge, Pa.
American Sheet & Tin Plate Co., Pittsburgh, Pa. (Stainless Steel)
Bethlehem Steel Co., Bethlehem, Pa.
Bingham (J. E.) Mfg. Co., Lawrence, Mass.
Chicago Metal Mfg. Co., Chicago, Ill.
Continental Steel Corp., Kokomo, Ind.
Harvey (Arthur C.) Co., Harvey Steel Rd., Boston, Mass.
Highway Steel Products Co., Chicago Heights, Ill.
Massillon Rolling Mill Co., Massillon, O.
Newport Rolling Mill Co., Newport, Ky.
Ohio Corrugating Co., Warren, O.
Ryerson (Jos. T.) & Sons, Chicago, Ill.
Weirton Steel Co., Weirton, W. Va.
Wheeling Corrugating Co., Wheeling, W. Va.
Wheeling Steel Corp., Wheeling, W. Va.
Youngstown Steel Products Co., Youngstown, O.

SHELF BOXES, Hardware—See Boxes, Shelf, Hardware

SHELF BRACKETS—See Brackets, Shelf

SHELF PAPER—See Paper, Lace

SHELF RACKS—See Racks, Shelf

SHELF RESTS—See Rests, Shelf

SHELF SUPPORTS—See Supports, Shelf

SHELL BAGS—See Bags, Ammunition

SHELL BELTS—See Belts, Cartridge

SHELL BOXES—See Boxes, Cartridge

SHELL EXTRACTORS—See Extractors, Shell

SHELL RECAPPERS—See Recappers, Shell

SHELL LOADING TOOLS—See Tools, Loading, Cartridge and Shell

SHELLACS

(See also Paints; also Varnishes)

Advance Paint Co., Indianapolis, Ind.
Ambassador Specialties, Inc., Detroit, Mich. "Heart of Quality"
Arnesto Paint Co., 548 W. 46th, New York, N. Y.
Berry Bros., Detroit, Mich.
Bowne Paint & Color Wks., Boston, Mass. "Modene"
Bradshaw-Praeger Co., Chicago, Ill. "Certified"
Carpenter-Morton Co., Boston, Mass. "Carmote"
Central Paint & Varnish Works, 69 Prospect, New York, N. Y.
Con-Ferro Paint & Varnish Co., St. Louis, Mo. "Eureka"
Day (Jas. B.) & Co., Chicago, Ill. "Du Pros"
Indianapolis Varnish Co., Indianapolis, Ind.
International Metal Polish Co., Indianapolis, Ind. (Gasket)
Liquid Veneer Corp., Buffalo, N. Y.
Livingston Co., New Haven, Conn. "I. C. U."
Permatex Co., Sheepshead Bay, N. Y.
Reliable Leather Dressing Co., 43 Crescent, Long Island City, N. Y.
St. Louis Rubber Cement Co., Inc., St. Louis, Mo. "Red X" (Rim and Gasket)
Sheffield Bronze Powder & Stencil Co., 5817 Kinsman Rd., Cleveland, O. (also Rim & Gasket)
Sherwin-Williams Co., Cleveland, O.
Zinsser (Wm.) & Co., 516 W. 59th, New York, N. Y. "Bullseye"

SHELLERS, Corn

Advance-Rumeley Thresher Co., La Porte, Ind.
Appleton Mfg. Co., Batavia, Ill. "Badger," "Custom," "New Hero," "Royal"
Barnard & Leas Mfg. Co., Moline, Ill. "Victor"
Bartlett (C. O.) & Snow Co., Cleveland, O. "Triumph"
Bateman & Co., Grenloch, N. J. "Chicopee"
Bell (C. S.) Co., Hillsboro, O.
Brinly-Hardy Co., Inc., Louisville, Ky. "Red Chief"
Brown-Manly Plow Co., Malta, O.
Buch Mfg. Co., Elizabethtown, Pa.
Cardwell Mach. Co., Richmond, Va. "Eureka," "Virginia"
Challenge Co., Batavia, Ill. "Dandy"
Donaldson Bros., Mt. Clemens, Mich. "Spring Valley"
Eagle Mach. Co., Lancaster, O. "Home," "Improved"
Ellis Keystone Agricultural Wks., Pottstown, Pa. "Cannon," "Pottstown"
Fairbanks, Morse & Co., Chicago, Ill.
Farquhar (A. B.) Co., York, Pa. "Clinton," "Eclipse," "Lancaster," "Root"
Fate-Root-Heath Co., 1333 High, Plymouth, O. "Gem," "Little Giant," "Never Fail," "Plymouth," "R. & H."
Freeman Mfg. Co., Racine, Wis., "Acme"
Harrison (W. R.) Co., Massillon, O. "Tornado"
Hocking Valley Mfg. Co., Lancaster, O.
Howell (R. R.) & Co., Minneapolis, Minn. "North Star"
International Harvester Co. of America, Chicago, Ill. "McCormick-Deering"
Joliet Mfg. Co., Joliet, Ill. "Big 4 Dustless," "Eureka Ironsides," "New No. 1 Dustless," "New No. 2 Dustless," "Rural Ironsides," "Shreffler's Ironsides"
King & Hamilton Co., Ottawa, Ill. "Ottawa C," "Ottawa D," "Ottawa F"
Klauer Mfg. Co., Dubuque, Ia. "Star"
Marseilles Co., East Moline, Ill. "Adams," "Cyclone," "Deere Shoeless," "Dustless," "John Deere"
Minneapolis Threshing Machine Co., Hopkins, Minn.
Mountville Mfg. Co., Mountville, Pa. "Boss," "Champion," "Climax," "Hero," "Maine," "Perfection," "Pony," "Rover"
Mundie Mfg. Co., Peru, Ill. "Cow Boy"
New Winona Mfg. Co., Winona, Minn. "Diamond"
Nordyke & Marmon Co., Indianapolis, Ind. "Eagle," "Western"
Ohio Rake Co., Dayton, O. "Little Giant"
Patch (A. H.), Inc., Clarksville, Tenn. "Black Hawk," "Pony"
Port Huron Engine & Thresher Co., Port Huron, Mich. "Baby," "Tractor Special"
Pratt (Wm. E.) Mfg. Co., Chicago, Ill. "Perfect"
Rock Island Mfg. Co., Rock Island, Ill. "Rimco"
Sandwich Mfg. Co., Sandwich, Ill. "Corn King," "Hummer," "Stockman," "Veteran"
Sheldon Engine & Sales Co., Waterloo, Ia.
Sidney Grain Machy. Co., Sidney, O.
Sprout, Waldron & Co., Muncy, Pa.
Star Heel Plate Co., Louis Sacks, Inc., 357 Wilson Av., Newark, N. J. "Ever-Ready," "Rapid"
Tiffin Wagon Co., Tiffin, O. "A.B.C.," "Challenge," "Farmer," "Favorite," "O. K."
Union Iron Wks., Decatur, Ill. "Western"
United Engine Co., Lansing, Mich.
White's (S. R.) Sons, Norfolk, Va. "Buckeye," "Defender," "Favorite," "Valley Chief"
Wistrand Mfg. Co., Galva, Ill. "Blue Star"

SHELLERS, Pea

Hoe Corp., Poughkeepsie, N. Y. "Merryway" (Electric)
Holmes Mfg. Co., Los Angeles, Cal.

SHELLERS, Pop Corn

Hocking Valley Mfg. Co., Lancaster, O.

SHELLS, Shot Gun

Federal Cartridge Corp., Minneapolis, Minn. "A Grade," "Hi-Power," "Monarch," "Reliable," "XL"
Peters Cartridge Co., Dept. I-53, Kings Mills, O. "Cement Kiln," "Gildkote," "High Velocity," "Referee," "Target," "Trap Load," "Victor"
Remington Arms Company, Inc., Bridgeport, Conn. "Arrow Express Kleanbore," "Arrow Trap Load "Kleanbore," "Auto Express," "Field Load Kleanbore," "Game Load Kleanbore," "Handicap Trap Load Kleanbore," "New Club," "Nitro Club Kleanbore," "Nitro Club Skeet Load Kleanbore," "Nitro Club Scatter Load Kleanbore," "Nitro Club Special Kleanbore," "Nitro Club Trap Load Kleanbore," "Nitro Express Kleanbore," "Shur Shot Target Load Kleanbore," "Shur Shot Skeet Load Kleanbore"
United States Cartridge Co., 111 Broadway, New York, N. Y. "Ajax," "Ajax Heavies," "Climax," "Climax Heavies," "Defiance," "Romax"
Western Cartridge Co., East Alton, Ill. "Field," "Minimax," "New Chief," "Record," "Super-Trap," "Super-X," "Xpert"
Winchester Repeating Arms Co., New Haven, Conn. "Leader," "Ranger," "Repeater," "Speed Loads"

SHELVES, Glass

(See also Bars, Towel)

Acme Specialty Mfg. Co., Toledo, O.
American Enameled Products Co., Chicago, Ill. "Sno-Wite"
American Ring Co., Waterbury, Conn. "Ringco"
American Window Glass Co., Pittsburgh, Pa. "Best"
Art Brass Co., 299 E. 134th St., New York, N. Y. "San-o-la"
Autoyre Co., Oakville, Conn.
Bache (Semon) & Co., 636 Greenwich, New York, N. Y.
Baker (S. D.) Corp., 234 W. 14th, New York, N. Y. "Samsonchina"
Boston Mirror Co., Boston, Mass.
Central Glass Products Co., Marion, Ind.
Ceramic Specialties, Inc., 154 Nassau, New York, N. Y. "Sanilith"
Conant Bros., Somerville, Mass.
Conroy-Prugh Glass Co., Pittsburgh, Pa.
David-Franklin Co., Maplewood, N. J. "Everclean Fixtures"
Eustis (J. P.) Mfg. Co., Cambridge, Mass. "Brass-crafters"
Kersten Co., Inc., Chicago, Ill.
Kimble Glass Co., Vineland, N. J.
National Brass Co., Grand Rapids, Mich.
Pocono Metal Mfg. Co., East Stroudsburg, Pa. (Opal)
Reeve (H. E.) Co., Torrance, Cal. "Shure-Sell"
Searls Mfg. Co., 29 Mulberry, Newark, N. J.
Standard Mirror Co, Inc., Buffalo, N. Y.
Tru-Lite Mfg. Co., Bradford, Pa.
Vineland Flint Glass Wks., Vineland, N. J.
"White-Steel" Sanitary Furniture Co., Grand Rapids, Mich.

SHELVES, Refrigerator

Parker Wire Goods Co., Worcester, Mass.

SHELVES, Towel—See Shelves, Glass

SHELVING, Steel

(See also Bins, Steel)

Aurora Equipment Co., Aurora, Ill. "Equipto"
Berger Mfg. Co., Canton, O. "Berloy"
Bingham (J. E.) Mfg. Co., Lawrence, Mass.
Bulman (E. O.) Mfg. Co., Inc., Grand Rapids, Mich
Canton Art Metal Co., Canton, O.
Cleveland Wire Spring Co., Cleveland, O.
Darby Steel Equipment Co., Phila., Pa.
Duluth Show Case Co., Duluth, Minn.
General Fireproofing Co., Youngstown, O.
Hubeny Brothers, Inc., Roselle, N. J.
Interlock Metal Units, Inc., 31 E. 27th, New York, N. Y.
Jefferis (Richard W.) Co., Camden, N. J.
Luptons (David) Sons Co., Phila., Pa.
Lyon Metal Products, Inc., Aurora, Ill.
Manufacturing Equipment & Engineering Co., Framingham, Mass.
Medart Co., St. Louis, Mo.
Metal Products Corp., 49 Chestnut, Weehawken, N. J.
New Britain Mach. Co., New Britain, Conn.
New York Machinery Co., 27 W. 24th, New York, N. Y.
North Western Steel Products Co., Chicago, Ill. "Norwest"
Penn Metal Co. of Penna., 41 E. 42nd, New York, N. Y. "Penco"
Terrell's Equipment Co., Grand Rapids, Mich.
Tyler Sales Fixture Co., Muskegon Heights, Mich. "Treasure Island"
United Steel & Wire Co., Battle Creek, Mich.
Universal Fixture Corp., 133 W. 23rd, New York, N. Y.
Wellston Mfg. Co., Wellston, O.
Worley & Co., Pico, Cal.

SHELVING, Store—See Fixtures, Display

SHERARDIZED WASHERS—See Washers, Iron and Steel

SHERARDIZED NAILS—See Nails, Sherardized

SHIELDS, Expansion Bolt—See Bolts, Expansion

SHIELDS, Eye, Tennis—See Visors, Sport

SHIELDS, Lag Screw

Diamond Expansion Bolt Co., 48 W. B'way, New York, N. Y. "Diamond N-Y"
U. S. Expansion Bolt Co., 75 Varick, New York, N. Y. "U. S. E."

SHIELDS, Radiator

(See also Cabinets, Radiator)

American Metal Products Co., St. Louis, Mo. "Air-Seal"
Beh & Co., 1140 Broadway, New York, N. Y. "Gem"
Bomar Mfg. Co., Louisville, Ky. "Klean-Heat"
Buffalo Gas Radiator Corp., North Tonawanda, N. Y. "Protecto"
Buffalo Wire Wks. Co., Buffalo, N. Y.
Durham Mfg. Co., Muncie, Ind. "Fyt-All"
Edwards Mfg. Co., Cincinnati, O.
Estey Wire Wks. Co., 34 Cliff, New York, N. Y.
Everedy Co., Frederick, Md. (Sectional)
Holden (A. S.) Inc., Cleveland, O.
Hubeny Brothers, Inc., Roselle, N. J.
Johnson (W. H.) & Son Co., Indianapolis, Ind. "Acme"
Just Rite Steel Cabinet Wks., Inc., 3410 3rd Av., New York, N. Y.
Kautenberg (W. E.) Co. Inc., Freeport, Ill. "Linden," "Oxford," "Simplex," "Venice"
Mullins Mfg. Co., Salem, O.
Radiant Steel Products Co., Williamsport, Pa. "Radshield"
Schleicher, Inc., Gary, Ind. "Slyker"
Tuttle & Bailey Mfg. Co., 70 Berry, B'klyn, N. Y.
Wall (P.) Mfg. Supply Co., 3126 Preble Av., Pittsburgh, Pa. "Coverettes"
Wickwire Spencer Steel Co., 41 E. 42nd, New York, N. Y. "Wissco"

SHIELDS, Radiator, Automobile—See Covers, Automobile

SHIELDS, Register

Auer Register Co., Cleveland, O.
Beh & Co., 1140 Broadway, New York, N. Y. "Gem"
Hall-Neal Furnace Co., Indianapolis, Ind.
Independent Register & Mfg. Co., Cleveland, O.

SHIN GUARDS—See Guards, Shin

SHINGLING BRACKETS—See Brackets, Shingling

SHINGLE NAILS—See Nails, Shingle

SHINGLES, Asbestos—See Roofing, Asbestos

SHINGLES, Asphalt

American Asphalt Roof Corp., Kansas City, Mo. "Old American"
Barber Asphalt Co., Phila., Pa. "Genasco Latite"
Barrett Co., 40 Rector, New York, N. Y. "Broad Shadow," "Double Lap," "Ever Fast," "Giant," "Multi," "Wedgelock"
Carey (Phillip) Co., Cincinnati, O.
Certain-teed Products Corp., 100 E. 42nd, New York, N. Y. "Brick-Tex"
Chatfield Mfg. Co., Div. of Flintkote Corp., Cincinnati, O.
Flintkote Corp., Pershing Sq. Bldg., New York, N. Y. "Speedlay," "Universal"
Paraffine Co., San Francisco, Cal.
Ruberoid Co., 95 Madison Av., New York, N. Y.

SHINGLES, Copper

Flintkote Corp., Pershing Sq. Bldg., New York, N. Y. "Anaconda"
Klauer Mfg. Co., Dubuque, Ia. "Faultless"

SHINGLES, Metal

Berger Mfg. Co., Canton, O.
Bernard (Phillip) Co., Sioux City, Ia.
Braden Mfg. Co., Terre Haute, Ind. "Titelock"
Canton Art Metal Co., Canton, O.
Edwards Mfg. Co., Cincinnati, O. "Edmanco"
Heal Can Co., Everett, Mass.
Klauer Mfg. Co., Dubuque, Ia. "Faultless"
Milcor Steel Co., Milwaukee, Wis. "Dux-Bac," "Titelock"
Ravenna Furnace & Heating Co., Ravenna, O.
St. Paul Corrugating Co., St. Paul, Minn.
Souther (E. E.) Iron Co., St. Louis, Mo.
Wheeling Corrugating Co., Wheeling, W. Va. "Dixie" "Virginia," Warwood," "Wheeling"

SHINGLING HATCHETS—See Hatchets, Shingling

SHIP ANCHORS—See Anchors, Boat, Ship, Etc.

SHIP AUGERS—See Augers, Ship

SHIP BELLS—See Bells, Ship

SHIPPING POULTRY COOPS—See Coops, Poultry Shipping

SHIPPING TAGS—See Tags, Shipping

SHIPS, Toy—See article desired under Boats

SHIRT BOARDS—See Boards, Ironing

SHIRT CUTTERS' BLADE HANDLES—See Handles, Blade, Pattern Makers' and Shirt Cutters'

SHIRT CUTTERS' BLADES—See Blades, Pattern Makers' and Shirt Cutters'

SHOE BLACKINGS—See Blackings and Polishes, Shoe

SHOE BRUSHES—See Brushes, Shoe

SHOE CALK WRENCHES—See Wrenches, Shoe Calk

SHOE CALKS—See Calks, Boot and Shoe

SHOE CLEANERS—See Cleaners, Shoe

SHOE CLEANING CABINETS—See Cabinets, Shoe Cleaning

SHOE CUTTERS' BLADE HANDLES—See Handles, Blade, Shoe Cutters'

SHOE CUTTERS' BLADES—See Blades, Shoe Cutters'

SHOE HANGERS—See Hangers, Shoe

SHOE KNIVES—See Knives, Shoe

SHOE NAILS—See Nails, Shoe

SHOE PLATES—See Plates, Heel

SHOE PLATES, Base Ball—See Plates, Shoe, Base Ball

SHOE POLISHERS—See Brushes, Shoe

SHOE POLISHES—See Blackings and Polishes, Shoe

SHOE RACKS—See Racks, Shoe; also Hangers, Shoe

SHOE REPAIR TOOLS—See Tools, Shoe Repair

SHOE SHINERS—See Shiners, Shoe

SHOE TACKS—See Tacks, Shoe

SHOE TAPS—See Taps, Shoe

SHOE TREES—See Trees, Shoe

SHOEMAKERS' HAMMERS—See Hammers, Shoemakers'

SHOEMAKERS' TOOLS—See article desired; also Outfits, Cobblers'

SHOES, Baseball

Athletic Shoe Co., Chicago, Ill.
Brooks Shoe Mfg. Co., Phila., Pa.
Collis (H. J.)Athletic Shoe Co., Taunton, Mass.
Draper-Maynard Co., Plymouth, N. H.
Freed Bros., Richlandtown, Pa.
Golden Sporting Shoe Co., Brockton, Mass.
Goldsmith's (P.) Sons, Cincinnati, O.
Hastings Sporting Shoe Co., Brockton, Mass.
Ken-Wel Sporting Goods Co., Utica, N. Y.
Norman & Bennett, Boston, Mass.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Reg'lar Fellers, Cincinnati, O.
Rice & Hutchins, Inc., Boston, Mass.
Servus Rubber Co., Rockford, Ill.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stall & Dean Mfg. Co., Brockton, Mass.
Wisconsin Shoe Co., Milwaukee, Wis.

SHOES, Bathing

Beacon Falls Rubber Co., Beacon Falls, Conn.
Draper-Maynard Co., Plymouth, N. H.
Hastings Sporting Shoe Co., Brockton, Mass.
Hood Rubber Products Co., Inc., Watertown, Mass.
Judsen Rubber Wks., Chicago, Ill. "Sanshu"
Milbury Atlantic, Inc., 1328 B'way, New York, N. Y.
Myers Mfg. Co., Los Angeles, Cal.
Ocean Bathing Suit Co., 10 W. 33d, New York, N. Y.
Parker (John H.) Co., Malden, Mass.
Pfeiffer (Frank H.) Co., Worcester, Mass.
Post Mfg. Co., 264 Canal, New York, N. Y.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Regina Swimming Devices Co., 29 E. 21st, New York, N. Y.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Thompson-Smith Shoe Co., St. Paul, Minn.
Ypsilanti Indian Shoe Co., Ypsilanti, Mich.

SHOES and STOCKINGS, Doll

Braitling, Fred K., Bridgeport, Conn.
Lodge Textile Wks., Albany, N. Y.

SHOES, Foot Ball

Athletic Shoe Co., Chicago, Ill.
Brine (Jas. W.) Co., Boston, Mass.
Brooks Shoe Mfg. Co., Phila., Pa.
Draper-Maynard Co., Plymouth, N. H.
Goldsmith's (P.) Sons, Cincinnati, O.
Hastings Sporting Shoe Co., Brockton, Mass.
Ken-Wel Sporting Goods Co., Utica, N. Y.
Norman & Bennett, Boston, Mass.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Reg'lar Fellers, Cincinnati, O.
Rice & Hutchins, Inc., Boston, Mass.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stall & Dean Mfg. Co., Brockton, Mass.
Wisconsin Shoe Co., Milwaukee, Wis.

SHOES, FURNITURE—See Slides, Furniture

SHOES, Gymnasium

Athletic Shoe Co., Chicago, Ill.
Beacon Falls Rubber Shoe Co., Beacon Falls, Conn.
Brine (Jas. W.) Co., Boston, Mass.
Brooks Shoe Mfg. Co., Phila., Pa.
Converse Rubber Shoe Co., Malden, Mass.
Draper-Maynard Co., Plymouth, N. H.
Gokey (Wm. N.) Shoe Co., Jamestown, N. Y.
Goldsmith's (P.) Sons, Cincinnati, O.
Hastings Sporting Shoe Co., Brockton, Mass.
Monarch Shoe Co., Racine, Wis.
Norman & Bennett, Boston, Mass.
Pfeiffer (Frank H.) Co., Worcester, Mass.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Servus Rubber Co., Rockford, Ill. "Pla-Wel"
Smith (M. A.) & Son, Phila., Pa.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stall & Dean Mfg. Co., Brockton, Mass.
Wesson, J. E. & W. G., Worcester, Mass.
Wisconsin Shoe Co., Milwaukee, Wis.

SHOES, Hockey

Athletic Shoe Co., Chicago, Ill.
Brine (Jas. W.) Co., Boston, Mass.
Draper-Maynard Co., Plymouth, N. H.
Gokey (Wm. N.) Shoe Co., Jamestown, N. Y.
Hartman (A. W.) Shoe Co., Duluth, Minn.
Hastings Sporting Shoe Co., Brockton, Mass.
Mohawk Moccasin Co., Brockton, Mass.
Norman & Bennett, Boston, Mass.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stall & Dean Mfg. Co., Brockton, Mass.
Wisconsin Shoe Co., Milwaukee, Wis.

SHOES, Horse and Mule

American Horse Shoe Co., Phillipsburg, N. J.
Burden Iron Co., Troy, N. Y.
Diamond Calk Horse Shoe Co., 4622 Grand Av., Duluth, Minn.
Fruin Drop Forge Co., Chicago, Ill. "Chicago"
Giant Grip Mfg. Co., Oshkosh, Wis.
Octigan Forge & Mfg. Co., Chicago, Ill.
Old Dominion Iron & Steel Corp., Richmond, Va. "Hammer Brand"
Phoenix Mfg. Co., Joliet, Ill. "Juniata"
Rowe Calk & Chain Co., Plantsville, Conn.
Tredegar Co., Richmond, Va.
United States Horse Shoe Co., Erie, Pa. "U. S."
Wareham Mfg. Co., Inc., Wareham, Mass.
Williams Drop Forging Co., Scranton, Pa. "Cantslip"

SHOES, Horse, Pitching

(See also Quoits)

Allith-Prouty Company, Danville, Ill.
Diamond Calk Horse Shoe Co., 4622 Grand Av., Duluth, Minn.
Gordon Horse Shoe Co., Los Angeles, Cal.
Marion Craftsman Tool Co., Marion, Ind.
National Malleable Castings Co., Cleveland, O.
National Standard Horseshoe Co., Inc., Canton, O.
Octigan Forge & Mfg. Co., Chicago, Ill. "Champion," "De Luxe"
Ohio Horse Shoe Co., Columbus, O.
Pressed Metal Products Co., Cleveland, O.
Putt-Mossman Horseshoe Co., Inc., Rochester, N. Y. "Mossman"
Warren Tool & Forge Co., Warren, O.
Wolverine Supply & Mfg. Co., Pittsburgh, Pa. "Pitch 'Em"

SHOES, Horse, Rubber

Goodrich (B. F.) Rubber Co., Akron, O.
Goodyear Tire & Rubber Co., Akron, O.
Powers Rubber Horseshoe Co., Chicago, Ill.
Revere Rubber Co., Chelsea, Mass.
St. Pierre Chain Corp., Worcester, Mass. "Good Luck," "Star"

SHOES, Hunting

Athletic Shoe Co., Chicago, Ill.
Bass (G. H.) & Co., Wilton, Me.
Bean, L. L., Freeport, Me.
Cutter (A. A.) Co., Eau Claire, Wis.
Dayton (J. E.) & Co., Williamsport, Pa.
Gokey (W. M.) Shoe Co., Jamestown, N. Y.
Hartman (A. W.) Shoe Co., Duluth, Minn.
Hood Rubber Co., Watertown, Mass.
L. W. Shoe Co., Chippewa Falls, Wis.
Lunn (John D.) Shoe Co., Monmouth, Me.
Mason Shoe Mfg. Co., Chippewa Falls, Wis.
Mayer (F.) Boot & Shoe Co., Milwaukee, Wis.
Mohawk Moccasin Co., Brockton, Mass.
National Footwear Co., Bombay, N. Y.
Norman & Bennett, Boston, Mass.
Read (Wm.) & Sons, Boston, Mass.
Russell (W. C.) Moccasin Co., Berlin, Wis.
Servus Rubber Co., Rockford, Ill. "Lace-Ace"
Wesson, J. E. & W. G., Worcester, Mass.
Wisconsin Shoe Co., Milwaukee, Wis.
Wrensch & Hermann Shoe Co., Milwaukee, Wis.

SHOES, Ladder—See Ladder Shoes

SHOES, Mule—See Shoes, Horse and Mule

SHOES, Ox

Haven Malleable Castings Co., Cincinnati, O.
Scranton Forging Co., Scranton, Pa.
Woodruff (W. W.) & Sons Co., Mount Carmel, Conn.

SHOES, Running

Athletic Shoe Co., Chicago, Ill.
Brine (Jas. W.) Co., Boston, Mass.
Brooks Shoe Mfg. Co., Phila., Pa.
Draper-Maynard Co., Plymouth, N. H.
Goldsmith's (P.) Sons, Cincinnati, O.
Hastings Sporting Shoe Co., Brockton, Mass.
Mandl, Bernard, Chicago, Ill.
May (W. B.) Co., Bridgewater, Mass.
Norman & Bennett Co., Boston, Mass.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Servus Rubber Co., Rockford, Ill.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stall & Dean Mfg. Co., Brockton, Mass.
Wisconsin Shoe Co., Milwaukee, Miss.

SHOES, Skating

Athletic Shoe Co., Chicago, Ill.
Brine (Jas. W.) Co., Boston, Mass.
Brooks Shoe Mfg. Co., Phila., Pa.
Chicago Roller Skate Co., Chicago, Ill.
Draper-Maynard Co., Plymouth, N. H.
Gokey (Wm. N.) Shoe Co., Jamestown, N. Y.
Hartman (A. W.) Shoe Co., Duluth, Minn.
Hastings Sporting Shoe Co., Brockton, Mass.
Mullen Shoe Co., Boston, Mass.
Norman & Bennett Co., Boston, Mass.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Spalding (A. G.) & Bro., 105 Nassau, New York, N. Y.
Wisconsin Shoe Co., Milwaukee, Miss.

SHOES, Snow

American Fork & Hoe Co., Cleveland, O. "Penobscot," "Tubbs"
Draper-Maynard Co., Plymouth, N. H.
Dunham, A. M., Norway, Me.
Kennedy Bros. Arms Co., St. Paul, Minn.
Landon (Jud.), Inc., Schenectady, N. Y.
Manhard (M. R.) & Sons, Marquette, Mich.
Metz & Schloerb, Oshkosh, Wis.
Northland Ski Mfg. Co., St. Paul, Minn.
Sag-No-More Snow Shoe Co., Norway, Me.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Starks (Geo. L.) & Co., Saranac Lake, N. Y.

SHOES, Tennis

Athletic Shoe Co., Chicago, Ill.
Beacon Falls Rubber Co., Beacon Falls, Conn.
Brine (Jas. W.) Co., Boston, Mass.
Brooks Shoe Mfg. Co., Phila., Pa.
Buckingham & Hecht, San Francisco, Cal.
Cambridge Rubber Co., Cambridge, Mass.
Converse Rubber Shoe Co., Malden, Mass.
Firestone Footwear Co., Hudson, Mass.
Goldsmith's (P.) Sons, Cincinnati, O.
Hastings Sporting Shoe Co., Brockton, Mass.
Hood Rubber Products Co., Inc., Watertown, Mass.
Little Rock Tent & Awning Co., Little Rock, Ark.
Mandl, Bernard, Chicago, Ill.
Mayer (F.) Boot & Shoe Co., Milwaukee, Wis.
National India Rubber Co., Bristol, R. I.
Norman & Bennett Co., Boston, Mass.
Pfeiffer (Frank H.) Co., Worcester, Mass.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.) Wright & Ditson, Inc., Phila., Pa.
Servus Rubber Co., Rockford, Ill.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stall & Dean Mfg. Co., Brockton, Mass.
U. S. Rubber Co., 1790 Broadway, New York, N. Y.
Wisconsin Shoe Co., Milwaukee, Wis.

SHOOFLIES

American-Acme Co., Emigsville, Pa.
Appleton Toy & Furniture Co., Appleton, Wis.
Benner Mfg. Co., Lancaster, Pa.
Converse-Mason Corp., Winchendon, Mass.
Gould Mfg. Co., Oshkosh, Wis.
Green Case, Inc., Racine, Wis.
International Wood & Paper Products Corp., Baltimore, Md.
Meinecke Mfg. Co., Milwaukee, Wis.
Mengel Co., St. Louis, Mo.
Pratt Mfg. Co., Coldwater, Mich.
Readsboro Chair Co., Readsboro, Vt.
Smith (S. A.) Mfg. Co., Brattleboro, Vt.
South Bend Toy Mfg. Co., South Bend, Ind.
Toy Kraft, Wooster, O.
Western Eagle Mfg. Co., Racine, Wis.
Whitney Reed Corp., Leominster, Mass.

SHOOTING GLOVES—See Gloves, Shooting

SHOP STOOLS—See Stools, Shop

SHOT, Air Rifle

American Ball Co., Minneapolis, Minn. "Bullseye"
Peters Cartridge Co., Dept. I-53, King Mills, O.
Remington Arms Co., Inc., Bridgeport, Conn. "Redtop"
United States Cartridge Co., 111 B'way, New York, N. Y. "Tatham"
Western Cartridge Co., East Alton, Ill.
Winchester Repeating Arms Co., New Haven, Conn.

SHOT, Buck—See Shot, Lead

SHOT, Drop—See Shot, Lead

SHOT GUN GREASES—See Greases, Rifle, Shot Gun, Etc.

SHOT GUN SHELLS—See Shells, Shot Gun

SHOT GUNS—See Guns, Shot

SHOT, Lead

American Smelting & Refining Co., San Francisco, Cal.
Crossman Arms Co., Inc., Rochester, N. Y. (Pells)
Euston Lead Co., Scranton, Pa.
Lawrence Shot & Lead Co., Omaha, Neb.
National Lead Co., 111 B'way, New York, N. Y.
Northwestern Shot & Lead Wks., St. Paul, Minn.
Raymond Lead Co., Chicago, Ill.
Selby Smelting Wks., San Francisco, Cal.
United States Cartridge Co., 111 B'way, New York, N. Y. "Tatham"
Western Cartridge Co., East Alton, Ill. "Buck," "Dust," "Lubaloy Coated," "Soft & Chilled"
Winchester Repeating Arms Co., New Haven, Conn.

SHOT, Putting

Draper-Maynard Co., Plymouth, N. H.
Girard Iron Wks., Phila., Pa.
Indiana Foundry Co., Indiana, Pa.
Mandl, Bernard, Chicago, Ill.
Medart Co., St. Louis, Mo.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Spalding (A. G.) & Bros, 105 Nassau, New York, N. Y.
Sperry (D. R.) & Co., Batavia, Ill.
Stall & Dean Mfg. Co., Brockton, Mass.

SHOT, Split

Decker, Ans. B., Lake Hopatcong, N. J.
Enterprise Mfg. Co., Dept. HA, Akron, O.
Horrocks-Ibbotson Co., Dept. S, Utica, N. Y.
Pequea Wks., Strasburg, Pa.
Streich Mfg. Co., Joliet, Ill.
Tufts (W. H.) Co., Pittsfield, Mass.
United Lead Co., 111 B'way, New York, N. Y.

SHOT, Steel

American Steel Abrasive Co., Galion, O.
Livingston Co., Rickland, Me.
Steel Shot & Grit Co., Amesbury, Mass.

SHOVEL HANDLES—See Handles, Scoop, Spades and Shovel

SHOVELS—See also Spades

SHOVELS, Coal

American Fork & Hoe Company, Cleveland, O.
Ames, Baldwin, Wyoming Shovel Company, Parkersburg, W. Va.
C-K-R Company, Cleveland, O.
Ingersoll Steel & Disc. Co., New Castle, Ind.
Wood Shovel & Tool Co., Piqua, O.

SHOVELS, Concrete

American Fork & Hoe Company, Cleveland, O.
Ames, Baldwin, Wyoming Shovel Company, Parkersburg, W. Va.
Ingersoll Steel & Disc. Co., New Castle, Ind.
Wood Shovel & Tool Co., Piqua, O.

SHOVELS, Dirt

American Fork & Hoe Company, Cleveland, O.
Ames, Baldwin, Wyoming Shovel Company, Parkersburg, W. Va.
C-K-R Company, Cleveland, O.
Ingersoll Steel & Disc. Co., New Castle, Ind.
Wood Shovel & Tool Co., Piqua, O.

SHOVELS, DRAIN—See Shovels, Spades and Scoops

SHOVELS, Fire

Central Stamping Co., 591 Ferry, Newark, N. J.
Hoeft & Co., Inc., 2309 Davis, North Chicago, Ill. "Moe's"
National Enameling & Stamping Co., Milwaukee, Wis.
Patent Novelty Co., Inc., Fulton, Ill. "Fulton," "Jumbo," "Jumbo Jr."
Schlueter Mfg. Co., St. Louis, Mo.
Stover Mfg. & Engine Co., Freeport, Ill.
Union Fork & Hoe Co., Columbus, O. "Neverbreak"
Wheeling Corrugating Co., Wheeling, W. Va.

SHOVELS, Irrigating

American Fork & Hoe Company, Cleveland, O.
Ames, Baldwin, Wyoming Shovel Company, Parkersburg, W. Va.
Ingersoll Steel & Disc. Co., New Castle, Ind.
Wood Shovel & Tool Co., Piqua, O.

SHOVELS, Ladies

American Fork & Hoe Company, Cleveland, O.
Ames, Baldwin, Wyoming Shovel Company, Parkersburg, W. Va.
Ingersoll Steel & Disc. Co., New Castle, Ind.
Wood Shovel & Tool Co., Piqua, O.

SHOVELS, Mining

American Fork & Hoe Company, Cleveland, O.
Ames, Baldwin, Wyoming Shovel Company, Parkersburg, W. Va.
Ingersoll Steel & Disc. Co., New Castle, Ind.
Wood Shovel & Tool Co., Piqua, O.

SHOVELS, Moulders

American Fork & Hoe Company, Cleveland, O.
Ames, Baldwin, Wyoming Shovel Company, Parkersburg, W. Va.
Ingersoll Steel & Disc. Co., New Castle, Ind.
Wood Shovel & Tool Co., Piqua, O.

SHOVELS, Railroad

American Fork & Hoe Company, Cleveland, O.
Ames, Baldwin, Wyoming Shovel Company, Parkersburg, W. Va.
Ingersoll Steel & Disc. Co., New Castle, Ind.
Wood Shovel & Tool Co., Piqua, O.

SHOVELS, Sand

American Fork & Hoe Company, Cleveland, O.
Ames, Baldwin, Wyoming Shovel Company, Parkersburg, W. Va.
Ingersoll Steel & Disc. Co., New Castle, Ind.
Wood Shovel & Tool Co., Piqua, O.

SHOVELS, Sand, Children's—See Sand Toys

SHOVELS, Sand, Toy—See Sand Toys

SHOVELS, Sink

Acme Metal Goods Mfg. Co., 2 Orange, Newark, N. J.
Ennis Mfg. Co., Reading, Pa.
Hamblin & Russell Mfg. Co., Worcester, Mass.
National Enameling & Stamping Co., Milwaukee, Wis.
P. M. C. Mfg. Corp., Kingston, N. Y.
Wallace Bros., Wallingford, Conn.

SHOVELS, Snow

American Fork & Hoe Company, Cleveland, O. "True Temper"
Ames, Baldwin, Wyoming Shovel Company, Parkersburg, W. Va.
Atlantic Stamping Co., Rochester, N. Y.
C-K-R Company, Cleveland, O. "Cronk," "Hercules," "Jumbo," "Little Giant"
Crosman (G. A.) & Sons, Portland, Me. (Wood) "Deering"
Eckardt Mfg. Co., St. Paul, Minn.
Ennis Mfg. Co., Reading, Pa.
Hall Mfg. Co., Cedar Rapids, Ia. "All Purpose," "Blizzard," "Snowdrift," "Snowdrift Junior"
Hooper Snow Shovel Co., Biddeford, Me. (Wood)
Ingersoll Steel & Disc. Co., New Castle, Ind.
Iwan Bros. South Bend, Ind.
Owosso Mfg. Co., Owosso, Mich.
Pfeifer (John) & Co., Philadelphia, Pa.
Prentice (F. W.) & Co., Adrian, Mich.
Rochester Can Co., Rochester, N. Y. "Iron Horse"
Rugg Mfg. Co., Greenfield, Mass. "Eclipse," "Keystone," "Trojan"
Wirt & Knox Mfg. Co., Philadelphia, Pa.
Wood Shovel & Tool Co., Piqua, O. "Ohio"

SHOVELS, Snow, Juvenile

Buffalo Metal Furniture Mfg. Co., Buffalo, N. Y.
C-K-R Company, Cleveland, O. "Cronk," "Little Giant"
Conestoga Corp., Bethlehem, Pa. "King Pin"
Pressed Metal Products Co., Cleveland, O.
Rugg Mfg. Co., Greenfield, Mass. "Acme," "Bay State," "Cole," "Crescent," "Little Wonder," "Pathfinder," "Trojan Special"

SHOVELS, SPADES and SCOOPS

American Fork & Hoe Company, Cleveland, O. "Bantam," "Bull Dog," "Conneaut Special," "Crescent," "Diamond," "Empire," "Fox," "Gamecock," "Imperial," "Keystone," "Mastiff," "Skelton," "Star," "True Temper," "Wolf"

SHOVELS, SPADES and SCOOPS (Continued)

Ames, Baldwin, Wyoming Shovel Company, Parkersburg, W. Va. "Anderson," "Apollo," "Armstrong," "Baldwin's Alloy Steel," "Beall's Xtra Brand," "Belmont," "Birge," "Black Diamond," "Blair," "Bluff City," "Bronco," "Carter," "Coal Bluff," "Cumberland," "Dollar," "Drednot," "Erie," "Falls City," "Favorite," "Gold Ribbon," "Gold Bug," "Hadwin," "Helmet," "Hubbard Socket Shank," "Hubbard's Crucible," "Hubbard's Hard Wear," "Husky," "Kiski," "Knox-All," "Lee," "Leechburg," "Liberty," "Massachusetts," "Monongah Featherweight," "Myers," "Nicholson," "Naylor," "O. Ames," "Optimus," "Pacemaker," "Peerless," "Piasa Bird," "Pinnacle," "Pony," "Porter," "Red Arrow," "Red Edge," "Reed," "Sanderson," "The Wier," "Three Star," "Two Star," "Valley Forge," "Vigo," "Vim," "W. A. Shuster," "Wrighto," "Wright Shovel Co."
C-K-R Company, Cleveland, O. "Hercules," "Idl," "Little Giant," "Rittenhouse"
Ingersoll Steel & Disc Co., New Castle, Ind. "American Beauty," "Imperial," "Indiana," "Ingersol Special," "Matchit," "New Castle," "Trojan"
Wood Shovel & Tool Co., Piqua, O. "Arrow Point," "Big Fist," "Moly," "Piqua," "Stuart," "Taper Socket," "Wood"

SHOVELS, Stove—See Shovels, Fire

SHOVELS, TELEGRAPH

American Fork & Hoe Company, Cleveland, O.
Ames, Baldwin, Wyoming Shovel Company, Parkersburg, W. Va.
Ingersoll Steel & Disc. Co., New Castle, Ind.
Wood Shovel & Tool Co., Piqua, O.

SHOVELS, Toy—See Sandtoys

SHOVELING BOARDS—See Boards, Shoveling

SHOW CARD WRITERS

(See also Stencils and Stencil Outfits)

Dexter Mfg. Co., Chicago, Ill.
Display Material Co., St. Paul, Minn. "Stencillor"
Line-O-Scribe, Inc., Adrian, Mich.
Showcarder, Inc., St. Paul, Minn.

SHOW CASE BRACKETS—See Brackets, Show Case

SHOW CASE HINGES—See Hinges, Show Case

SHOW CASE TRACKS—See Tracks, Sliding Doors

SHOW CASES—See Cases, Display

SHOWER BATHS—See Baths, Shower

SHOWER CURTAINS—See Curtains, Shower

SHRINKAGE RULES—See Rules, Shrinkage

SHRUB SUPPORTS—See Supports, Wire, Plant and Shrub

SHRUBBERY GUARDS—See Guards, Shrubbery

SHUTS, Cold

American Chain Co., Inc., Bridgeport, Conn. "Acco"
American Logging Tool Co., Evart, Mich.
Columbus-McKinnon Chain Co., Tonawanda, N. Y.
Diamond Calk & Horseshoe Co., 4622 Grand Av., Duluth, Minn.
Dixie Logging Tool Co., Chattanooga, Tenn.
Hall Mfg. Co., Cedar Rapids, Ia.
Marion Craftsman Tool Co., Marion, Ind.
Newhall Chain, Forge & Iron Co., 48 W. B'way, New York, N. Y.
Warren Axe & Tool Co., Warren, O.

SHUTTER ADJUSTERS—See Adjusters, Blind or Shutter

SHUTTER BOLTS—See Bolts, Shutter

SHUTTER HARDWARE—See Hardware, Shutter

SHUTTER HINGES—See Hinges, Blind, Shutter, Etc.

SHUTTER HOOKS—See Hooks, Shutter

SHUTTER LATCHES—See Latches, Shutter

SHUTTER TURNBUCKLES—See Hooks, Shutter

SHUTTERS, Steel—See Doors and Shutters, Steel

SICKLE GRINDERS—See Grinders, Sickle

SICKLES

(See also Scythes)

Brooklyn Metal Stamping Corp., 718 Atlantic Av., B'klyn, N. Y. (Razor Blade)
Columbian Cutlery Co., Reading, Pa.
Kelly Axe & Tool Wks. of American Fork & Hoe Co., Charleston, W. Va.
North Wayne Tool Co., Oakland, Me. "Blue Clipper," "Comet," "Junior," "Gypsy," "Lawn King," "Lightning," "Little Giant," "Nolin," "Nowatoco"
Old File Cutlery Co., Havana, Ill.
Rixford Mfg. Co., East Highgate, Vt.
Village Blacksmith Folks, Watertown, Wis.
Winsted Mfg. Co., Inc., Winsted, Conn. "Perfect Cutter"

SIDE PULLEYS—See Pulleys, Side

SIDEWALK CLEANERS—See Cleaners, Sidewalk

SIDEWALK ELEVATORS—See Elevators, Sidewalk

SIDEWALK ICE CHOPPERS—See Breakers, Ice

SIDEWALK SCRAPERS—See Scrapers, Sidewalk; also Cleaners, Sidewalk

SIDING, Metal—See Roofing and Siding, Metal

SIEVES, Ash

Bromwell Wire Goods Co., Cincinnati, O.
Butler Mfg. Co., Minneapolis, Minn.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Hill Clothes Dryer Co., Worcester, Mass. "Hustler"
Jelliff (C. O.) Mfg. Co., Southport, Conn.
Jelliff (Geo. H.) & Son, New Canaan, Conn. "Rival"
Parker Wire Goods Co., Worcester, Mass. "Boston"
Rochester Can Co., Rochester, N. Y. "Iron Horse"
Savory, Inc., 591 Ferry, Newark, N. J.
Success Mfg. Co., Gloucester, Mass. "Triumph"
Wickwire Bros., Cortland, N. Y.

SIEVES, Druggists

Jelliff (Geo. H.) & Son, New Canaan, Conn.

SIEVES, Flour

Bromwell Wire Goods Co., Cincinnati, O.
Buffalo Wire Wks. Co., Buffalo, N. Y.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Jelliff (Geo. H.) & Son, New Canaan, Conn.
Lalance & Grosjean Mfg. Co., Woodhaven, L. I., N. Y.
Meyers (Fred J.) Mfg. Co., Hamilton, O. "Favorite," "Hunter's"
National Enameling & Stamping Co., Milwaukee, Wis.
Parker Wire Goods Co., Worcester, Mass. "Columbia," "Hunter," "Majestic," "Nameless," "Standard," "Star Rotary," "Universal"
Roseland Can & Wire Goods Co., Rockford, Ill. "Apex," "Pastry," "Rockford," "Standard"
Savory, Inc., 591 Ferry Newark, N. J.
Tyler (W. S.) Co., Cleveland, O.
Washburn Company, Worcester, Mass.

SIFTERS, Ash and Coal

Atlas Tinware Co., 2472 3rd Av., New York, N. Y.
Berg (John) Mfg. Co., Chicago, Ill.
Bromwell Wire Goods Co., Cincinnati, O.
C-K-R Company, Cleveland, O. "Economy"
Corcoran Mfg. Co., Cincinnati, O. "Peerless"
Durlach Can & Iron Wks., 234 Bridge, B'klyn, N. Y.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Hill Clothes Dryer Co., Worcester, Mass. "Hustler"
Jelliff (Geo. H.) & Son, New Canaan Conn. "Favorite," "Superior"
Michigan Wire Goods Co., Niles, Mich. "Champion"
National Can Co., Boston, Mass.
National Enameling & Stamping Co., Milwaukee, Wis. "Nesco"
Potato Implement Co., Traverse City, Mich. "Acme," "Super-Bilt"
Reeves Mfg. Co., Dover, O.
Rochester Can Co., Rochester, N. Y. "Iron Horse"
Sexton Can Co., Everett, Mass. "Boston"
Success Mfg. Co., Gloucester, Mass. "Perfection," "Triumph"
Victor Clothes Dryer & Mfg. Co., Worcester, Mass.

SIFTERS, Coal—See Sifters, Ash and Coal

SIFTERS, Flour

American Can Co., 230 Park Av., New York, N. Y.
Bromwell Wire Goods Co., Cincinnati, O.
Calispray Mfg. Co., Ltd., Los Angeles, Cal.
Carlson (Nisse) Co., Rockford, Ill. "Nifty"
Clark (J. L.) Mfg. Co., Rockford, Ill. "Gem"
Erickson (C. E.) Co., Des Moines, Ia.
Jelliff (Geo. H.) & Son, New Canaan, Conn.
Meets-A-Need Mfg. Co., Seattle, Wash. "Sift-Chine"
Meyers (Fred J.) Mfg. Co., Hamilton, O. "Electric Light," "Excelsior," "Favorite," "Hunters'," "Meyco," "Victor"
National Enameling & Stamping Co., Milwaukee, Wis. "Acme," "Nesco," "Perfect," "Reliance"
Newton Mfg. Co., Newton, Ia. (Adv.)
Nordyke & Marmon Co., Indianapolis, Ind.
Reich (Ernest) & Co., Chicago, Ill. "Magi-Kitch'n"
Robinson Mfg. Co., Muncy, Pa.
Savory, Inc., 591 Ferry, Newark, N. J.
Sprout, Waldron & Co., Muncy, Pa.
Stanton, B. & F. H., Des Moines, Ia. "Magic"
Stuber & Kuck, Peoria, Ill.
Uneek Utilities Corp., Chicago, Ill. "Duplex," "Multisift"
Washburn Company, Worcester, Mass. "Natwire"
Wolf Co., Chambersburg, Pa.

SIFTERS, Sand

Jelliff (Geo. H.) & Son, New Canaan, Conn.

SIFTER WIRE CLOTH—See Cloth, Wire Sifter and Strainer

SIGHTS, Firearms

Bethlehem Steel Co., South Bethlehem, Pa.
Bradley, Lewis H., West Hartford, Conn.
Daniel, Chas., Melbourne, Wash.
Hentschel (P. J.) Mach. Co., Baltimore, Md.
King, D. W., San Francisco, Cal.
Lyman Gun Sight Corp., Middlefield, Conn.
Malcolm Rifle Telescope Mfg. Co., Auburn, N. Y.
Marble Arms & Mfg. Co., Gladstone, Mich.
Marlin Firearms Corp., New Haven, Conn.
O'Hare, P. J., 178 Littleton Av., Newark, N. J.
Pacific Gun Sight Co., San Francisco, Cal.
Queen-Gray Co., Phila., Pa.
Remington Arms Co., Inc., Bridgeport, Conn.
Stanbra, L. G., Bellingham, Wash.
Stearns (E. C.) & Co., Syracuse, N. Y.
Stevens (J.) Arms Co., Chicopee Falls, Mass.
Winchester Repeating Arms Co., New Haven, Conn.

SIGHTS, Level

Sand's Level & Tool Co., Detroit, Mich.
Stanley Wks., New Britain, Conn.
Stearns (E. C.) & Co., Syracuse, N. Y. "Stearns Ecsco"

SIGN HOOKS—See Hooks, Sign

SIGN LETTERS—See Letters, Sign

SIGNAL DEVICES

Arrow-Hart & Hegeman Electric Co., Hartford, Conn.

SIGNALING SYSTEMS

American Bank Protective Co., Minneapolis, Minn.
American Fire Prevention Bureau, Inc., 1 Madison Av., New York, N. Y.
Atmo Signal Corp., Nutley, N. J.
Auth Elec'l Specialty Co., Inc., 422 E. 53d, New York, N. Y.
Autocall Co., Shelby, O.
Benjamin Elec. Mfg. Co., Chicago, Ill.
Bryant Elec. Co., Bridgeport, Conn.
Cannon Ball Alarm Co., Minneapolis, Minn.
Central Burglar Alarm Co., Chicago, Ill.
Consolidated Car Htg. Co., Albany, N. Y.
Duplex Elec. Co., 71 Grand, New York, N. Y.
Gamewell Co., Newton Upper Falls, Mass.
General Elec. Co., Schenectady, N. Y.
Harrington-Seaberg, Moline, Ill.
Holtzer-Cabot Elec. Co., Roxbury, Mass.
Hub Electric Co., Chicago, Ill.
Loper Fire Alarm Co., Stonington, Conn.
Lucas Signal & Control Co., Chicago, Ill.
McFell Elec. Devices Co., Chicago, Ill.
Metropolitan Elec. Mfg. Co., Boulevard at 14th, Long Island, N. Y.
National Cash Register Co., Dayton, O.
Ostrander (W. R.) Elec. Wks., Inc., 911 Atlantic Av., B'klyn, N. Y.
Samson Electric Co., Canton, Mass.
Signal Eng. & Mfg. Co., 154 W. 14th, New York, N. Y.
Stanley & Patterson, 150 Varick, New York, N. Y.
Thomas & Smith Co., Canton, O.
Utica Fire Alarm Teleg. Co., Utica, N. Y.

SIGNS, Brass—See Signs, Metal

SIGNS, Bronze—See Signs, Metal

SIGNS, Enamel

Enamel Products Co., Cleveland, O. "Tepco"
Ingram-Richardson Mfg. Co., Beaver Falls, Pa.
National Enameling & Stamping Co., Milwaukee, Wis.
Ready Made Sign Co., 45 E. 17th, New York, N. Y.
Stafford (N.) Co., 53d & 1st Av., B'klyn, N. Y.

SIGNS, Glass

Morey Mfg. Co., Milwaukee, Wis. "De Luxe"

SIGNS, Illuminated, Electric

Century Mfg. Co., Inc., Elizabethtown, Pa.
Flexlume Corp., Buffalo, N. Y. "Oplex"
Home Electrical Specialties Corp., Cleveland, O. "Name-Find-R"
National Stamping & Electric Wks., Chicago, Ill. "Flash-I-Do"
Rawson & Evans Co., Chicago, Ill.
Stewart-Warner Corp., Chicago, Ill. "Write-It-Urself"
Strauss (L. L.) Co., 424 W. 42nd, New York, N. Y.
Western Reflector Co., Chicago, Ill. (Exit)
Wil-O-Lite Inc., Chicago, Ill.

SIGNS, Lawn, Etc.

Allen (W. D.) Mfg. Co., Chicago, Ill.
Harker Mfg. Co., Cincinnati, O. (No Parking)
Household Patent Co., Norristown, Pa. (Keep-Off)
Wilcox, Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.

SIGNS, Metal

Aluminum Goods Mfg. Co., Manitowoc, Wis.
Cobar Utilities Corp., 1 Carlton Av., B'klyn, N. Y.
Fiske (J. W.) Iron Wks., Medina, N. Y. (Brass and Iron)
Flexlume Corp., Buffalo, N. Y.
Hoggson & Pettis Mfg. Co., New Haven, Conn.
Imperial Brass Mfg. Co., Chicago, Ill.
Logan Co., Louisville, Ky.
Marbelite Co., Wallingford, Conn.
Murdock Stamp & Specialty Co., Cincinnati, O.
Nelke (L. D.), 45 E. 17th, New York, N. Y.
Noble & Westbrook Mfg. Co., East Hartford, Conn.
Page Steel & Wire Co., Monessen, Pa.
Premier Metal Etching Co., 14th & Van Alst Av., Long Island City, N. Y.
Ready Made Sign Co., 45 E. 17th, New York, N. Y.
Robertson (W. F.) Steel & Iron Co., Cincinnati, O.
Stafford (N.) Co., 53d & 1st Av., B'klyn, N. Y. "Markwell"
Supersine Co. of America, Fort Wayne, Ind. (Aluminum)
Turner Brass Wks., Sycamore, Ill.

SIGNS, Traffic

Marion Mach., Fdry. & Supply Co., Marion, Ind.
Reiter, G. C., Canton, O.
Sweet's Steel Co., Williamsport, Pa.
Swett (A. L.) Iron Wks., Medina, N. Y.

SILAGE CHOPPERS—See Cutters, Ensilage

SILENCERS, Gun

Brown (O. H.), Davenport, Ia.
Wilcox, Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.

SILENT GLIDE CASTERS—See Slides, Furniture

SILICATE SODA—See Glass, Water

SILL COCKS—See Cocks, Sill

SILVER FLAT TABLE WARE—See Ware, Table, Flat, Silver

SILVER PLATED FLAT TABLE WARE—See Ware, Table, Flat, Silver Plated

SILVER SOLDER—See Solder, Silver

SILVER TABLE WARE—See Ware, Table, Silver

SILVERWARE TARNISH PREVENTATIVE—See Tarnish Preventative

SINEW PULLERS—See Pullers, Sinew

SINGLETREES, Hoisting, Hay

Fort Smith Rim & Bow Co., Fort Smith, Ark. "Cutting Brand"
Herschel (R.) Mfg. Co., Peoria, Ill.
Hudson (H. D.) Mfg. Co., Chicago, Ill.
Louden Mchy. Co., Fairfield, Ia.
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O.
Porter (J. E.) Co., Ottawa, Ill.

SINGLETREES and DOUBLETREES, Plow and Wagon

Brown-Manly Plow Co., Malta, O. (Plow only)
Burroughs-Ross-Colville Co., McMinnville, Tenn.
Fort Smith Rim & Bow Co., Fort Smith, Ark. "Cutting Brand"
Harvey Spring & Forging Co., Racine, Wis.
Heider Mfg. Co., Carroll, Ia.
Herschel (R.) Mfg. Co., Peoria, Ill.
Kelly (G. A.) Plow Co., Longview, Tex.
Pioneer Pole & Shaft Co., Piqua, O.
Racine General Mfg. Co., Racine Junction, Wis.
Reno Mfg. Co., Erie, Pa.
Tanner (D. F.), Holland, N. Y.
Towers & Sullivan Mfg. Co., Rome, Ga.
Youngstown Pressed Steel Co., Youngstown, O.

SINK AUGERS—See Augers, Sink

SINK BOLTS—See Bolts, Sink

SINK BRACKETS—See Brackets, Sink

SINK BROOMS—See Brushes, Sink

SINK BRUSHES—See Brushes, Sink

SINK CLEANERS—See Cleaners, Sink

SINK COCKS—See Cocks, Sink

SINK PUMPS—See Pumps, Cistern and Sink

SINK RACKS—See Racks, Sink

SINK SHOVELS—See Shovels, Sink

SINK STOPPERS—See Stoppers, Sink

SINK STRAINERS—See Strainers, Sink

SINKERS

American Smelting & Refining Co., San Francisco, Cal.
Baldwin Sinker Co., Baldwin, Long Island, N. Y. "Triangle"
Chester (F. E.) Mfg. Co., 3 Pine, Providence, R. I. (Lead)
Chubb (T. H.) Rod Co., Post Mills, Vt.
Emar Mfg. Co., Linden, N. J.
Enterprise Mfg. Co., Dept. HA, Akron, O.
Franklin Needle Co., Franklin, N. H.
Horrocks-Ibbotson Co., Dept. S, Utica, N. Y. "Sarapac"
Ideal Fishing Float Co., Inc., Richmond, Va.
Jamison, Wm. J., Chicago, Ill.
Kautz (Fred C.) & Co., Chicago, Ill.
Newark Sinker Co., Newark, N. J.
Pequea Works, Strasburg, Pa.
Shakespeare Co., Kalamazoo, Mich.
South Bend Bait Co., South Bend, Ind.
Tooley, L. J., Detroit, Mich.
Tufts (W. H.) & Co., Great Barrington, Mass.
Wagner (A. C.) & Son, Chicago, Ill.

SINKS, Bathroom—See Lavatories, Pedestal and Wall

SINKS, Kitchen

Barnes Mfg. Co., Mansfield, O. (Enamel)
Bignall Co., Medina, N. Y.
Crane Co., Chicago, Ill.
Fords Porcelain Wks., Perth Amboy, N. J.
General Ceramics Co., 50 Church, New York, N. Y. "Phoenix"
Humphryes Mfg. Co., Mansfield, O. "Mirard"
International Nickel Co., 67 Wall, New York, N. Y. "Streamline," Straitline" (Mono Metal)
Kohler Co., Kohler, Wis.
Lalance & Grosjean Mfg. Co., Woodhaven, L. I., N. Y.
Mott (J. L.) Iron Works, 535 5th Av., New York, N. Y. "Belgrade"
National Enameling & Stamping Co., Milwaukee, Wis.
Portland Stove Fdry. Co., Portland, Me.
Sanitas Mfg. Co., Boston, Mass. "Essex," Gloucester," "Wenshaw"
Standard Sanitary Mfg. Co., Pittsburgh, Pa.
Star Tank Co., Goshen, Ind. (Metal)
Trenton Potteries Co., Trenton, N. J. "Tepeco"
U. S. Hardware & Mfg. Co., Pawtucket, R. I.
Weiskittel (A) & Son Co., Baltimore, Md.
Wesley (Chas.) Co., Chicago, Ill.
Wheeling Sanitary Mfg. Co., Wheeling, W. Va.

SIPHON PUMPS—See Pumps, Siphon

SIPHONS—See Syphons

SISAL ROPE—See Rope, Manila and Sisal

SIZE, Wall

Alabastine Co., Grand Rapids, Mich "Size-It"
Casein Mfg. Co., 207 E. 42nd, New York, N. Y. "Casco"
Commercial Paste Co., Columbus, O. "Quick Stick"
Craftex Co., Boston, Mass. "Craftexsize"
Fuller (H. B.) Co., St. Paul, Minn.
Miner-Hillard Milling Co., Wilkes-Barre, Pa. "Hot Spot," "Penn"
Muralo Co., Inc., 570 Richmond Terrace, Staten Island, N. Y.
Patent Cereals Co., Geneva, N. Y.
Reardon (The) Co., St. Louis, Mo. "Lumnite," "Plastex," "Roco"
Russia Cement Co., Gloucester, Mass. "Le Page's"
Sisk (R. J.) Co., New London, Conn.
Truscon Laboratories, Caniff, Detroit, Mich.
Wells Adhesive Co., Columbus, O. "We-Co"

SKATE BAGS—See Bags, Skate

SKATE GRINDERS—See Grinders, Skate

SKATE KEYS—See Keys, Skate

SKATE PROTECTORS—See Protectors, Skate

SKATE SHARPENERS—See Sharpeners, Skate

SKATE SHARPENING STANDS

Berghman Co., Chicago, Ill. "Aristocrat"
Johnson (Nestor) Mfg. Co., Chicago, Ill. "Johnsons"

SKATE STRAPS—See Straps, Skate

SKATES and SHOES, Combined

C. C. M., Inc., Buffalo, N. Y.
Johnson (Nestor) Mfg. Co., 1900 N. Springfield, Chicago, Ill.
Marston (C. S.), Jr., Georgetown, Mass.
Planert (F. W.) & Sons, Inc., Chicago, Ill.
Union Hdw. Co., Torrington, Conn.
Wood (J. T.) Co., Ware, Mass.

SKATES, Hockey—See Skates, Ice

SKATES, Ice

American Skate & Mfg. Co., Reading, Pa.
Bonney Forge & Tool Wks., Allentown, Pa.
C. C. M., Inc., Buffalo, N. Y.
Johnson (Alfred) Skate Co., Chicago, Ill. "Alfred's Flash," "Alfred's Ice King," "Royal," "Ruffplay"
Johnson (Nestor) Mfg. Co., 1900 N. Springfield, Chicago, Ill. "Johnsons"
Kees (F. D.) Mfg. Co., Beatrice, Neb. "Brownie and U. S.," "Lace-On"
McMillan, Frank, Fort Lee, N. J.
Marston (C. S.), Jr., Georgetown, Mass.
Matthews Mfg. Co., Worcester, Mass. "Winslow"
Planert (F. W.) & Sons, Inc., Chicago, Ill. "The Hawk," "Northlight," "Winner"
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y. "Blue Streak"
Union Hdw. Co., Torrington, Conn. "Union"
Winchester Repeating Arms Co., New Haven, Conn.

SKATES, Roller

Brinkman Engineering Co., Dayton, O. "Also Scooter Skate)
Canastota-Sherwood Stamping Corp., Canastota, N. Y.
Chicago Roller Skate Co., 4436 W. Lake, Chicago, Ill. (Rubber Tires) "Chicago," "Flying Scout," "Silent Flash"
Globe-Union Mfg. Co., Milwaukee, Wis.
Harris (D. P.) Hdw. & Mfg. Co., 99 Chambers, New York, N. Y. "Rollfast"
Harris & Reed Mfg. Co., Chicago, Ill.
Kees (F. D.) Mfg. Co., Beatrice, Neb. "Brownie"
Kingston Products Corp., Kokomo, Ind. "Champion," "Chieftain," "Red Skin"
Kohler Die & Specialty Co., De Kalb, Ill. "Arrow," "Speed King"
Leonard Roller Skate Co., 44 W. 44th, New York, N. Y. (Two-Wheel)
Lyons Mfg. Co., Mt. Carmel, New Haven, Conn. "Rollster" (Skooter Skate)
National Co., Inc., Malden, Mass.
Payson Mfg. Co., Chicago, Ill.
Peck, Stow & Wilcox Co., Southington, Conn. "Blue Aro," Pexto," "Red Aro," White Aro"
Planert (F. W.) & Sons, Inc., Chicago, Ill.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Richardson Ball Bearing Skate Co., Chicago, Ill. "Action"
Roll-Away Skate Co., Cleveland, O.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Super-Wheel Skate Co., Winchester, Mass. (Two Wheel)
Union Hdw. Co., Torrington, Conn.
Whittemore (H. A.) & Co., Inc., Boston, Mass.
Winchester Repeating Arms Co., New Haven, Conn.

SKATES, SNOW

American Mfg. Concern, Falconer, N. Y.
Denning Mfg. Co., Cleveland, O.
Hobart Metal Mfg. Co., Minneapolis, Minn.
Peters (F. D.) Co., Inc., Gloversville, N. Y.

SKATING SHOES—See Shoes, Skating

SKEIN BOLTS—See Bolts, Lag and Skein

SKI and SNOW SHOE HARNESS—See Harness, Ski and Snow Shoe

SKI POLES—See Poles, Ski

SKILLETS—See Spiders and Skillets

SKIMMERS

Aluminum Specialty Co., Manitowoc, Wis.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Lambert, Leon, Wichita, Kan.
Metal Goods Corp., St. Louis, Mo.
National Enameling & Stamping Co., Milwaukee, Wis
Stratton & Terstegge Co., Inc., Mfg. Div., Louisville, Ky. "Falls City" (Sorghum)
Wallace Bros., Wallingford, Conn. "W.B.W."
Washburn Company, Worcester, Mass.

SKINNING KNIVES—See Knives, Skinning

SKIS

American Fork & Hoe Co., Cleveland, O. "Tubbs"
Bredenberg Bros., Inc., Champlain, N. Y. "Broadmount"
Denning Mfg. Co., Cleveland, O. (Skis Skates) "Skee Skates," "Speed Skees"
Gregg Mfg. Co., St. Paul, Minn.
Lund (C. A.) Co., Hastings, Minn.
Mason Mfg. Co., South Paris, Me.
Northland Ski Mfg. Co., St. Paul, Minn.
Northway Co., Superior, Wis.
Oxford Corp., West Paris, Me.
Paris Mfg. Co., South, Paris, Me.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Strand, Martin A., New Richmond, Wis.
Telmark Mfg. Co., Duluth, Minn.

SKIVING KNIVES—See Knives, Tanners'

SKUTCHES, Bricklayers—See Scutches, Bricklayers'

SKYLIGHT GUARDS—See Guards, Skylight

SKYLIGHT LIFTS—See Lifts, Skylight

SKYLIGHTS

American Sheet Metal Wks., New Orleans, La.
Berger Mfg. Co., Canton, O.
Bohem Mfg. Co., Phila., Pa.

SKYLIGHTS (Continued)

Canton Art Metal Co., Canton, O.
Corning Mfg. Co., Corning, N. Y.
Danzer Metal Wks., Hargerstown, Md.
Klauer Mfg. Co., Dubuque, Ia.
Lupton's (David) Sons Co., Phila., Pa.
Mesker Bros. Iron Co., St. Louis, Mo.
Meyer (F.) & Bro. Co., Peoria, Ill. "Handy"
Milcor Steel Co., Milwaukee, Wis.
St. Paul Corrugating Co., St. Paul, Minn.
Souther (E. E.) Iron Co., St. Louis, Mo.
Western Steel Products Co., Duluth, Minn.
Willis Mfg. Co., Inc., Galesburg, Ill.

SLATE FASTENERS—See Hooks, Slaters'

SLATERS' HOOKS—See Hooks, Slaters'

SLATERS' TOOLS—See Tools, Roofing

SLATERS' STAKES—See Tools, Roofing

SLATES, School

American Slate Wks., Slatington, Pa.
Griffin Bros., Bangor, Pa.
National School Slate Co., Slatington, Pa.
Shenton, Thos. H., Slatedale, Pa.

SLATING NAILS—See Nails, Roofing and Slating

SLAW CUTTERS—See Slicers, Fruit and Vegetable

SLEDGE HANDLES—See Handles, Hickory

SLEDGES—See Hammers, Heavy

SLEDS, Bob

Donaldson Bros., Mount Clemens, Mich.
Rain King Mfg. Co., St. Paul, Minn.
Koch & Son Mfg. Co., St. Cloud, Minn.
Lansing Co., Lansing, Mich.
Lenhart Wagon Co., Minneapolis, Minn.
Mason & Sons, Inc., Peru, N. Y.
Moline Implement Co., Moline, Ill. "Mandt"
Northwestern Mfg. Co., Fort Atkinson, Wis.
Orangeville Mfg. Co., Orangeville, Pa.
Sheyboygan Coaster & Wagon Wks., Sheyboygan, Wis.
White Coaster Wagon Wks., Sheybogan Falls, Wis.

SLEDS, Steering, Children's

Allen (S. L.) & Co., Phila., Pa. "Fire Fly," "Flexible Flyer"
American-Acme Co., Emigsville, Pa. "Monoplane"
American Golf Co., Boston, Mass. "Snow-Hawk" (Bike Sled)
Auto-Wheel Coaster Co., Inc., North Tonawanda, N. Y. "Fleetwing," "Imperial"
Belker (George) Co., Henderson, Ky. "Wag-O-Sled"
Carton Toy Co., Sheyboygan, Wis. "Dreadnaught," "Eskimo"
Endron Wheel Co., Toledo, O. "Pioneer"
Johnson (C. J.) Co., Bradford, Pa.
Kalamazoo Sled Co., Kalamazoo, Mich. "Champion," "Champion De Luxe"
Northway Co., Superior, Wis. (Ski Runner)
Paris Mfg. Co., South Paris, Me.
Pratt Mfg. Co., Coldwater, Mich. "Flyaway"
Schiller Piano Co., Oregon, Ill. "Aero"
Sheyboygan Coaster & Wagon Wks., Sheyboygan, Wis.
Standard Novelty Wks., Duncannon, Pa. "Lightning Guider"
Steimark Mfg. Co., Duluth, Minn.
Toledo Metal Wheel Co., Toledo, O. "Blue Streak"
Wagner Mfg. Co., Cedar Falls, Ia.
Westfield Mfg. Co., Westfield, Mass. "Columbia"
White Coaster Wagon Wks., Sheybogan Falls, Wis.

SLEEPER CLIPS—See Clips, Sleeper

SLEEPING BAGS—See Bags, Sleeping

SLEEVE BOARDS—See Boards, Ironing

SLEEVES, Drill—See Sockets and Sleeves, Drill

SLEEVES, Pipe—See Fittings, Pipe

SLEIGH BELLS—See Bells, Sleigh

SLEIGH CLIPS—See Clips, Sleigh

SLEIGH RUNNER ATTACHMENTS

Lansing Co., Lansing, Mich.

SLICERS, Apple—See Slicers, Fruit and Vegetable

SLICERS, Bread—See Cutters, Bread

SLICERS, Egg

Aluminum Goods Mfg. Co., Manitowoc, Wis.
General Hdw. Mfg. Co., 16 Warren, New York, N.Y.
Lance & Grosjean Mfg. Co., Woodhaven, L. I., N. Y.
National Enameling & Stamping Co., Milwaukee, Wis.

SLICERS, Fruit and Vegetable

Acme Metal Goods Mfg. Co., 2 Orange, Newark, N. J.
Alsteel Mfg. Co., Battle Creek, Mich. "Whiz"
Altorfer Bros. Co., Peoria, Ill. "ABC Electrotable"
Aluminum Goods Mfg. Co., Manitowoc, Wis.
Anstice (Josiah) & Co., Rochester, N. Y. "Sterling"
Bluffton Slaw Cutter Co., Bluffton, O. "Rapid"
Boutell Mfg. Co., Rochester, N. Y. "Rochester," "Rotary"
Bromwell Wire Goods Co., Cincinnati, O.
Crescent Scoop Mfg. Co., Phila., Pa.
Cuba Knife Co., Cuba, N. Y.
Eagle Engineering Co., Springfield, O. (Combination)
Hamilton Metal Products Co., Hamilton, O. "Climax"
Handy Things Mfg. Co., Ludington, Mich.
Harrington Cutlery Co., Southbridge, Mass. "Dexter"
Hoe Corp., Poughkeepsie, N. Y. "Merryway" (Electric)
Houchin (Thos. W.) Co., 300 9th, Jersey City, N. J.
Independent Staple Co., New Rochelle, N. Y. "Perfect" (Corn Slitter)
K-D Mfg. Co., Lancaster, Pa. "Becky Porter" (Dicer)
Kitchen Aid Mfg. Co., Ridge & Olive, Troy, O.
Landers, Frary & Clark, New Britain, Conn. "French," "Lightning," "Universal"
National Enameling & Stamping Co., Milwaukee, Wis.
New Standard Corp., Mt. Joy, Pa. "Dandy"
Parrish (J. Shepherd) Co., Chicago, Ill.
Read Mfg. Co., York, Pa. (Electric)
Richardi & Bechtold, Bellaire, Mich.
Rollman Mfg. Co., Mt. Joy, Pa.
Royal Mfg. Co., Phila., Pa.
Sinclair-Scott Co., Baltimore, Md.
Tucker & Dorsey Mfg. Co., Indianapolis, Ind.
United Royalties Corp., 1133 B'way, New York, N.Y.
Village Blacksmith Folks, Watertown, Wis.
Voos Co., Inc., New Haven, Conn.

SLICERS, Meat

Anstice (Josiah) & Co., Rochester, N. Y. "Sterling"
Auto Sun Products Co., Cincinnati, O. "Sun Slicer"
Chatillon (John) & Sons, 85 Cliff, New York City, N. Y. "Foster Bros."
Clyde Cutlery Co., Clyde, O.
Crescent Scoop Mfg. Co., Phila., Pa.
Deer (A. V.) Co., Hornell, N. Y. "Royal" (Electric)
International Business Machines Corp., 270 B'way, New York, N. Y.
Jacobs Bros. & Co., Inc., Washington & Water, B'klyn, N. Y.
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass. "Anchor"
Mechanics Tool & Wrench Co., Greenfield, Mass.
Ontario Knife Co., Franklinville, N. Y. "Never-Stain," "Tru-Edge"
Remington Arms Co., Inc., Bridgeport, Conn. "Kleanblade"
Royal Mfg. Co., Phila., Pa.
Samson-United Corp., Rochester, N. Y.
Voos Co., Inc., New Haven, Conn.

SLICERS, Potato—See Slicers, Fruit and Vegetable

SLICERS, Vegetable—See Slicers, Fruit and Vegetable

SLICKS, Carpenters'

Buck Bros., Millbury, Mass.
Mack & Co., Rochester, N. Y. "Barton's"
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Swan (Jas.) Co., Seymour, Conn.
White (L. & I. J.) Co., Div. Simonds-Worden-White Co., Dayton, O.

SLIDES, Furniture

(See also Gliders, Furniture)

Adjustable Caster Co., Phila., Pa. "Adjusta"
Bassick Co., Bridgeport, Conn. "NoMar," "Universal"
Beardsley & Wolcott Mfg. Co., Waterville, Conn. "B & R," "Chair Glides," "E-Z," "Three Prong"
Buckeye Glide Co., 117 E. 23rd, New York, N. Y. "Spring-Kushion"
Domes of Silence, Inc., 35 Pearl, New York, N. Y. "Andrews"
Drake Lock-Nut Co., San Francisco, Cal.
Elastic Tip Co., Boston, Mass.
Faultless Caster Co., Evansville, Ind.
Gould-Mersereau Co., 189 Lexington Av., New York, N. Y. "Times"
Hartford Glass Products Co., Hartford City, Ind. "Glasglide"
Hight (W. T.) Co., Boston, Mass. "Crystal Glider"
Mattatuck Mfg. Co., Waterbury, Conn. "Indian Glide"
Onward Mfg. Co., Menasha, Wis.
Turner & Seymour Mfg. Co., Torrington, Conn.

Turner & Stanton Co., Norwich, Conn. "Slidewell"
Wagner Specialty Co., Burlington, Wis. "Slidelite"
Waterbury Button Co., Waterbury, Conn.

SLIDES, Playground—See Slides, Toboggan

SLIDES, Toboggan

American-National Co., Toledo, O.
American Playground Device Co., Anderson, Ind.
Anchor Post Fence Co., Baltimore, Md.
Everwear Mfg. Co., Springfield, O.
Jamison (Robert W.) Mfg. Co., Los Angeles, Cal.
Medart Co., St. Louis, Mo.
Mengel Co., Inc., St. Louis, Mo.
Merremaker Corp., Minneapolis, Minn.
Tothill, W. S., Chicago, Ill.

SLIDING CASTERS—See Slides, Furniture

SLIDING DOOR LATCHES—See Locks and Latches, Door, Sliding

SLIDING DOOR LOCKS—See Locks and Latches, Door, Sliding

SLIDING DOOR SHEAVES—See Sheaves, Sliding Door

SLIDING DOOR TRACKS—See Tracks, Sliding Door

SLIDING-KNIFE HAND LAWN MOWERS—See Mowers, Lawn, Hand, Sliding-Knife

SLIDING LADDERS—See Ladders, Store

SLINGS, Hay Carrier

Goshen Mfg. Co., Goshen, Ind. "Hercules," "Standard"
Hudson (H. D.) Mfg. Co., Chicago, Ill. "Strickler"
Louden Mchy. Co., Fairfield, Ia. "California," "Carry All"
Milwaukee Hay Tool Co., Milwaukee, Wis. "Standard"
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O. "Sure Lock," "Universal," "Utah"
Ney Mfg. Co., Canton, O. "California," "Standard"
Plattner-Yale Mfg. Co., Lincoln, Neb.
Porter (J. E.) Co., Ottawa, Ill.
Rassman (F.) Mfg. Co., Beaver Dam, Wis.
Ricker Mfg. Co., Rochester, N. Y. "Rochester"
Shaw (H. C.) Co., Stockton, Cal. "Powell"
Starline, Inc., Harvard, Ill. "Giant," "Harvard," "Harvester," "O. K.," "Star"
Whitaker Mfg. Co., Chicago, Ill.

SLIP HOOKS—See Hooks, Chain

SLIP JOINT PLIERS—See Pliers, Combination

SLIPPER TREES—See Trees, Shoe

SLOYD KNIVES—See Knives, Manual Training

SMALL SPRINGS—See Springs, Small

SMOKERS' SETS—See Sets, Smokers'

SNAP HOOKS—See Hooks, Snap

SNAPS, Harness

American Chain Co., Inc., Bridgeport, Conn. "Acco," "Ajax"
Bridgeport Chain & Mfg. Co., Bridgeport, Conn. "Brown," "Triumph"
Chain Products Co., 3290 Cooper Av., Cleveland, O.
Covert Mfg. Co., Troy, N. Y. "Holdfast," "King," "Polo," "Queen," "Sterling," "Trojan," "Yankee"
Elbel Co., Canton, O. "Owl"
Eberhard Mfg. Co., 2790 Tennyson Rd., Cleveland, O.
Imperial Bit & Snap Co., Racine, Wis.
Jenkinson (R. C.) & Co., 293 Washington, Newark, N. J.
Midland Co., South Milwaukee, Wis.
North (O. B.) & Co., New Haven, Conn.
North & Judd Mfg. Co., New Britain, Conn. "Anchor Brand," "Kingsnap," "Loxspring," "Quick-Kloze"
Pratt (Wm. E.) Mfg. Co., Chicago, Ill.
Premax Products, Inc., Niagara Falls, N. Y.
U. S. Hame Co., Buffalo, N. Y.
Washburn Company, Worcester, Mass.

SNAPS, Swivel

Covert Mfg. Co., Troy, N. Y. "King," "Polo," "Yankee"
Eberhard Mfg. Co., 2790 Tennyson Rd., Cleveland, O.
Imperial Bit & Snap Co., Racine, Wis.
Laughlin (Thos.) Co., Portland, Me.
Midland Co., South Milwaukee, Wis.
North & Judd Mfg. Co., New Britain, Conn. "Anchor Brand"
Premax Products, Inc., Niagara Falls, N. Y.
U. S. Hame Co., Buffalo, N. Y.
Wilcox, Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.

SNATCH BLOCKS—See Blocks, Tackle, Snatch, Etc.

SNATHS, Scythe

American Metalcraft, Inc., Indianapolis, Ind. "Dreadnaught"
Brinser's (E. C.) Sons, Inc., Richmond, Va.
Marugg Co., Tracy City, Tenn.
Seymour Mfg. Co., Inc., Seymour, Ind.
Sta-Tite Snath Co., Shelbyville, Ind.

SNELLED HOOKS—See Hooks, Snelled

SNIPS, COMPOUND—See Shears, Compound

SNIPS, Household

Bergman Tool Mfg. Co., Buffalo, N. Y. "Blue Bird"
Wiss (J.) & Sons Co., 29 Littleton Av., Newark, N. J. "Essex"

SNIPS, Pocket

Bartlett Mfg. Co., Detroit, Mich.
Peck, Stow & Wilcox Co., Southington, Conn. "Hawk Bill," "Trojan"
Wiss (J.) & Sons Co., 29 Littleton Av., Newark, N. J.

SNIPS, Tailors'

Heinisch (R.) Sons Wks., 109 Bruce, Newark, N. J.
Wiss (J.) & Sons Co., 29 Littleton Av., Newark, N. J.

SNIPS, Tinners'

Arcade Mfg. Co., Freeport, Ill.
Atlas Shear Co., Bridgeport, Conn.
Barcalo Mfg. Co., Buffalo, N. Y.
Bartlett Mfg. Co., Detroit, Mich. "Searight"
Bergman Tool Mfg. Co., Buffalo, N. Y. "Blue Bird"
Berridge Shear Co., Sturgis, Mich.
Boker (H.) & Co., 101 Duane, New York, N. Y.
Clauss Shear Co., Fremont, O.
Clayton Mfg. Co., Bristol, Conn.
Compton (W. H.) Shear Co., 314 Camden, Newark, N. J. "Reliance"
Crescent Tool Co., Jamestown, N. Y.
Ennis Mfg. Co., Reading, Pa.
Gray Iron Foundry Co., Reading, Pa.
Grey Iron Casting Co., Mt. Joy, Pa.
Grobet File Corp. of America, 3 Park Pl., New York, N. Y.
Heinisch (R.) Sons Wks., 109 Bruce, Newark, N. J.
Henkel Co., Fremont, O.
Jackson Shear & Razor Co., Fremont, O.
Landers, Frary & Clark, New Britain, Conn. "Universal"
Littlestown Hdw. & Fdry. Co., Littlestown, Pa.
Lyon, Conklin & Co., Inc., Baltimore, Md.
Manco Mfg. Co., Bradley, Ill.
Manufacturers Brush Co., Cleveland, O.
Niagara Mach. & Tool Wks., Buffalo, N. Y.
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto," "Samson"
Rubinow Edge Tool Wks., 35 Vesey, Newark, N. J. "Empire"
Stanley Electric Tool Co., New Britain, Conn. "Mighty Midget," "Unishear" (Electric Hand)
Stortz (John) & Son, Phila., Pa.
Utica Drop Forge & Tool Co., Utica, N. Y.
Vlchek Tool Co., 8006 E. 87th, Cleveland, O.
Whitney Metal Tool Co., Rockford, Ill.
Wiss (J.) & Sons Co., 29 Littleton Av., Newark, N. J. "Nu-Grip"

SNOW, Artificial

Fuld, Wm., Baltimore, Md.
Metal Goods Corp., St. Louis, Mo.
U. S. Mica Mfg. Co., Forest Park, Ill. "Santa Claus"

SNOW BROOMS—See Brooms, Bamboo; also Brooms, Rattan

SNOW FENCES—See Fences, Snow

SNOW GUARDS, Roof—See Guards, Ice and Snow, Roof

SNOW PUSHERS—See Pushers, Snow

SNOW SCOOPS—See Shovels, Snow

SNOW SHOE and SKI HARNESS—See Harness, Ski and Snow Shoe

SNOW SHOES—See Shoes, Snow

SNOW SHOVELS—See Shovels, Snow

SNOW SHOVELS, JUVENILE—See Shovels, Snow, Juvenile

SNOW SKATES—See Skates, Snow

SOAP DISHES—See Dishes, Soap

SOAP DISPENSERS—See Dispensers, Soap

SOAP HOLDERS—See Dishes, Soap

SOAPS, Animal, Dog, Etc.

Armour Soap Wks., Chicago, Ill. "Flesope"
Spratts Patent, Ltd., 14 Congress, Newark, N. J.

SOAPS, Liquid

American Soap & Washolene Co., Cohoes, N. Y.
Baum's Castorine Co., Rome, N. Y.
Boyer Chemical Laboratory Co., Chicago, Ill.
Carpenter (W. D.) Co., Syracuse, N. Y.
Cremoline Co., Inc., St. Louis, Mo.
Flash Chemical Co., Cambridge, Mass.
Galena Mfg. Co., Galena, Ill. "Superior"
Interstate Mfg. Co., Wollaston, Mass. "Soaperfect"
Orient Spray Co., Boston, Mass.

SOAPS, Shaving

American Safety Razor Corp., 303 Jay, B'klyn, N. Y. "Ever-Ready," "Gem"
Colgate-Palmolive-Peet Co., 105 Hudson, Jersey City, N. J.
Mennen Co., 345 Central, Newark, N. J.
Williams (J. D.) Co., Glastonbury, Conn.
Williams Soap Co., Indianapolis, Ind.

SOAPS, Stock—See Soaps, Animal, Dog, Etc.

SOAPSTONE GRIDDLES—See Griddles, Soapstone

SOCCER BALLS—See Balls, Soccer

SOCKET BOLTS—See Bolts, Ring

SOCKET LOCATORS—See Pendants, Luminous, Radium

SOCKET PLUGS—See Plugs, Socket, Electric

SOCKET WRENCH SETS—See Sets, Socket Wrench

SOCKET WRENCHES—See Wrenches, Socket

SOCKETS and SLEEVES, Drill

Armstrong Bros. Tool Co., 300 N. Francisco Av., Chicago, Ill.
Cleveland Twist Drill Co., Cleveland, O.
Collis Co., Clinton, Ia.
Culver-Stearns Mfg. Co., Worcester, Mass.
Higginson-Gibson Mfg. Co., Boston, Mass.
Lovejoy Tool Works, 329 W. Ohio, Chicago, Ill.
Keystone Mfg. Co., Buffalo, N. Y.
Morse Twist Drill & Mach. Co., New Bedford, Mass.
National Twist Drill & Tool Co., Detroit, Mich.
New Process Twist Drill Co., Taunton, Mass.
Pratt & Whitney Co., Hartford, Conn.
Scully-Jones & Co., Chicago, Ill.
Standard Tool Co., Cleveland, O.
Union Twist Drill Co., Athol, Mass.
Whitman-Barnes-Detroit Corp., Detroit, Mich.

SOCKETS, Chain, Attachment

American Ball Chain Wks., 12 Wooster, New York, N. Y.
Arrow-Hart & Hegeman Electric Co., Hartford, Conn.
Bead Chain Mfg. Co., Bridgeport, Conn.
Bryant Elec. Co., Bridgeport, Conn. "Hemco"
Eade, John E., Providence, R. I.
H. & O. Chain Company, Norwalk, Conn.
Hubbell (Harvey), Inc., Bridgeport, Conn.
Leviton Mfg. Co., 236 Greenpoint Av., B'klyn, N.Y.
Rodale Mfg. Co., 200 Hudson, New York, N. Y.
Scovill Mfg. Co., Waterbury, Conn.
Weber Electric Co., Schenectady, N. Y.
Wirt Co., Germantown, Phila., Pa. "Dim-A-Light"

SOCKETS, Key—See Plugs, Sockets, Electric

SOCKETS, Lamp

American Electric Co., Chicago, Ill. "Ajax"
Anylite Elec. Co., Fort Wayne, Ind.
Arrow-Hart & Hegeman Electric Co., Hartford, Conn.
Beaver Mfg. Co., Newark, N. J.
Benjamin Elec. Mfg. Co., Chicago, Ill. "Benco"
Bryant Elec. Co., Bridgeport, Conn. "New Wrinkle," "Wrinklet"
Circle F. Mfg. Co., Trenton, N. J.
Connecticut Elec. Mfg. Co., Bridgeport, Conn.
Connecticut Molded Products Corp., Meriden, Conn.
Eagle Electric Mfg. Co., 59 Hall, B'klyn, N. Y. "Twinlite"
General Elec. Co., Schenectady, N. Y.
Hubbell (Harvey), Inc., Bridgeport, Conn. "Quick Catch"
Leiser (W. A.) & Co., Phila., Pa.
Leviton Mfg. Co., 236 Greenpoint Av., B'klyn, N.Y.
Line Material Co., South Milwaukee, Wis.
McGill Mfg. Co., Valparaiso, Ind.
Majestic Elec. Appliance Co., San Francisco, Cal.
Monowatt Electric Corp., Chrysler Bldg., New York, N. Y.
Pass & Seymour, Syracuse, N. Y.
Paulding, John I., New Bedford, Mass.
Propp (M.) Co., 524 B'way, New York, N. Y. "Ada-Lite," "Add-A-Socket," "Four Way," "Tu-Sok"
Rodale Mfg. Co., 200 Hudson, New York, N. Y.
Siemen Co., Bridgeport, Conn.
U. S. Electric Mfg. Corp., 222 W. 14th, New York, N. Y. "Usa-Lite"
Waterbury Button & Mfg. Co., Waterbury, Conn.
Watson (J. E.) Mfg. Co., Phila., Pa.
Weber Electric Co., Schenectady, N. Y.
Westinghouse Elec. & Mfg. Co., East Pittsburgh, Pa.
Wirt Co., Germantown, Phila., Pa.
Woodhead (Daniel) Co., Chicago, Ill. "Watertite" (Rubber)

SOCKETS, Pole and Rod, Curtain

Beardsley & Wolcott Mfg. Co., Waterville, Conn.
Bogert & Hopper, 223 Varick, New York, N. Y.
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Judd (H. L.) Co., 87 Chambers, New York, N. Y.
Turner & Seymour Mfg. Co., Torrington, Conn.
Winsted Hdw. Mfg. Co., Winsted, Conn.

SOCKETS, Pole, Flag

Corbin, P. & F., New Britain, Conn.
Laughlin (Thos.) Co., Portland, Me.
Marine Hdw. Co., Peabody, Mass.
Nicol & Co., Chicago, Ill.
Wilcox, Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.

SOCKETS, Reducer

Arrow-Hart & Hegeman Electric Co., Hartford, Conn.
Benjamin Elec. Mfg. Co., Chicago, Ill.
General Elec. Co., Schenectady, N. Y.
Morse (Frank W.) Co., Boston, Mass.
Pass & Seymour, Syracuse, N. Y.

SOCKETS, Sash

Barrows Lock Wks., of Yale & Towne Mfg. Co., Lockport, Ill.
Corbin, P. & F., New Britain, Conn.
Sager Lock Wks. of Yale & Towne Mfg. Co., No. Chicago, Ill.
Sargent & Co., New Haven, Conn.
Yale & Towne Mfg. Co., Stamford, Conn.

SOCKETS, Rod—See Sockets, Pole and Rod

SOCKETS, Wire Rope

American Steel & Wire Co., 2088 S. La Salle, Chicago, Ill.
Laughlin (Thos.) Co., 199 Fore, Portland, Me.
Mockbee (C. M.) Co., Cincinnati, O.
Newhall Chain, Forge & Iron Co., 48 W. B'way, New York, N. Y.
Wilcox, Crittenden & Co., Inc., 77 Main, Middletown, Conn.
Williams (J. H.) & Co., Buffalo, N. Y. "Vulcan"

SOD CUTTERS—See Cutters, Sod

SODA SPOONS—See Spoons, Iced Tea and Soda

SOFT METAL HAMMERS—See Hammers, Soft Metal

SOFTENERS, Water

American Water Softener Co., Phila., Pa.
Dodge Mfg. Co., Mishawaka, Ind. "Eureka"
Fort Wayne Eng. & Mfg. Co., Fort Wayne, Ind. "Paul"
Graver Corp., East Chicago, Ind. "Zeolite"
Hugerford & Terry, Inc., Clayton, N. J.
Hygienic Products Co., Canton, O. "Mel'o"
International Filter Co., Chicago, Ill.
Monarch Engineering Co., Dayton, O. "Naolite"
Permutit Co., 440 4th Av., New York, N. Y.
Refinite Co., Omaha, Neb.
Roberts-Hamilton Co., Minneapolis, Minn. "Uniflow"
Royal Mfg. Co., Ft. Wayne, Ind.
Scaife (Wm. B.) & Sons, Pittsburgh, Pa.

SOIL PACKERS—See Pulverizers and Packers, Soil

SOIL PIPE—See Pipe, Cast Iron, Soil

SOIL PULVERIZERS—See Pulverizers and Packers, Soil

SOLDER, Acid Core

Allen (L. B.) Co., Inc., 6731 Bryn Mawr Av., Chicago, Ill.
American Solder & Flux Co., Phila., Pa.
Clendenin Bros., Inc., Baltimore, Md.
Dunton (M. W.) Co., Providence, R. I. "Ideal"
Gardiner Metal Co., Chicago, Ill.
Heck Metal Co., Baltimore, Md.
Kester Solder Co., Chicago, Ill.
Lenk Mfg. Co., Newton Lower Falls, Mass.
National Lead Co., 111 B'way, New York, N. Y. "Dutch Boy"
New York Solder Co., Inc., 134 W. 26th, New York, N. Y. "Eveready"
Ruby Chemical Co., Columbus, O. "Rubyfluid"

SOLDER, Aluminum

Allen (L. B.) Co., Inc., 6731 Bryn Mawr Av., Chicago, Ill. "Alumi-Soder"
Aluminum Co. of America, Pittsburgh, Pa.
American Solder & Flux Co., Phila., Pa.
Atkinson Co., Rochester, N. Y.
Clendenin Bros., Inc., Baltimore, Md.
Federated Metals Corp., Chicago, Ill.
Gardiner Metal Co., Chicago, Ill.
Lansenkamp (F. H.) Co., Indianapolis, Ind.
Lasher-Weeber Co., Boston, Mass. "Supreme"

)LDER, Aluminum (Continued)

k Mfg. Co., Newton Lower Falls, Mass., Super
rand"
ter Co., Fayetteville, N. Y. "Arrow"
gens (Thos. F.) Metal Co., Phila., Pa
ional Aluminum Co., Racine, Wis. "Stick-Well"
ional Bearing Metals Corp., St. Louis, Mo. "Tiger"
ker Bros. Aluminum Co., Rhinelander, Wis.
nhold Noflux Aluminum Solder Co., 31 Clinton,
ewark, N. J.
y Chemical Co., Columbus, O.
rson (Jos. T.) & Son, Chicago, Ill.
ted Smelting & Aluminum Co., New Haven, Conn.

)LDER, Bar and Wire

n (L. B.) Co., Inc., 6731 Bryn Mawr Av., Chicago,
l. "Alumi-Flux"
erican Lead Co., Pittsburgh, Pa.
erican Smelting & Refining Co., San Francisco,
al.
us Smelting Co., 393 7th Av., New York, N. Y.
mont Smelting & Refining Wks., Inc., 317 Belmont
v., B'klyn, N. Y.
chford (E. W.) Co., Chicago, Ill.
e Brass & Copper Co., Waterbury, Conn.
denin Bros., Inc., Baltimore, Md.
le-Picher Lead Co., Cincinnati, O.
ire Metal Co., Syracuse, N. Y. "Emetco"
rated Metals Corp., Chicago, Ill.
Products Co., Denver, Colo. "Mendall"
liner Metal Co., Chicago, Ill.
t Western Smelting & Refining Co., Chicago, Ill.
x Metal Co., Baltimore, Md.
n Bros., 785 Humboldt, B'klyn, N. Y. "Victory"
er Solder Co., Chicago, Ill. (Acid Core, Rosin
re & Past Core)
nan Bros., Hoboken, N. J.
x Mfg. Co., Newton Lower Falls, Mass. "Super"
s (John T.) & Bros. Co., Phila., Pa.
berger (Marks) & Son, 281 Borden Av., Long
and City, N. Y.
Kenzie-Waterhouse Co., Chicago, Ill. "Silverine"
nolia Metal Co., 75 West, New York, N. Y.
ls Mfg. & Alloys Co., Cleveland, O.
igan Smelting & Refining Co., Detroit, Mich.
au Smelting & Refining Co., Inc., 50 Church,
w York, N. Y.
onal Bearing Metals Corp., St. Louis, Mo.
onal Lead Co., 111 B'way, New York, N. Y.
utch Boy," "Hoyt"
onal Smelting & Refining Co., Detroit, Mich.
h American Smelting Co., Phila., Pa.
burgh White Metal Co., Pittsburgh, Pa. "Rine-
rt"
ards & Co., Boston, Mass.
rside Metal Refining Co., Connellsvile, Pa.
or (N. & G.) Co., Phila., Pa.
sco Solders, Chicago, Ill.
ed American Metals Corp., 200 Diamond, B'klyn,
Y.
. Smelting Wks., Phila., Pa.

LDER, Pig

ont Smelting & Refining Wks., Inc., 317 Belmont
., B'klyn, N. Y.
rated Metals Corp., Chicago, Ill.
iner Metal Co., Chicago, Ill.
onal Lead Co., 111 B'way, New York, N. Y.
onal Smelting & Refining Co., Detroit, Mich.

LDER, Rosin Core

) (L. B.) Co., Inc., 6731 Bryn Mawr Av., Chicago,
rican Solder & Flux Co., Phila., Pa.
r Solder Co., Inc., Phila., Pa.
denin Bros., Inc., Baltimore, Md.
on (M. W.) Co., Providence, R. I. "Gem"
iner Metal Co., Chicago, Ill.
Metal Co., Baltimore, Md.
r Solder Co., Chicago, Ill.
Mfg. Co., Newton Lower Falls, Mass.
onal Lead Co., 111 B'way, New York, N. Y.
utch Boy"
York Solder Co., Inc., 134 W. 26th, New York,
Y. "Eveready"

LDER, Self-Fluxing

(L. B.) Co., Inc., 6731 Bryn Mawr Av., Chicago,
r Solder Co., Inc., Phila., Pa.
ner Metal Co., Chicago, Ill.
r Solder Co., Chicago, Ill.
Mfg. Co., Newton Lower Falls, Mass.
ier Laboratories, Inc., Rochester, N. Y. "Tisit"
quid)
nal Lead Co., 111 B'way, New York, N. Y.
utch Boy"
York Solder Co., Inc., 134 W. 26th, New York,
Y. "Eveready"
r Bros. Aluminum Co., Rhinelander, Wis.
k, Bowyer & Pugh Mfg. Co., Merriam, Kan.
lox" (Liquid)
rall Co., 129 Sussex Av., Newark, N. J.

DER, Silver

(L. B.) Co., Inc., Chicago, Ill.
er Saw Mfg. Co., Natick, Mass.
s (E C.) & Co., Indianapolis, Ind.
enin Bros., Inc., Baltimore, Md.

SOLDER, Wire—See Solder, Bar and Wire

SOLDERING COPPERS—See Coppers, Soldering; also Coppers, Soldering, Self-Heating

SOLDERING FLUID—See Flux, Soldering

SOLDERING FLUX—See Flux, Soldering

SOLDERING FURNACES—See Furnaces and Torches, Gasoline and Kerosene

SOLDERING IRON HANDLES—See Handles, Soldering Iron

SOLDERING IRONS—See Coppers, Soldering; also Iron, Soldering, Electric

SOLDERING KITS—See Kits, Soldering

SOLDERING LIQUIDS—See Flux, Soldering

SOLDERING OILS—See Oils, Soldering

SOLDERING PASTES—See Flux, Soldering

SOLDERING POWDER—See Flux, Soldering

SOLDERING SALTS—See Flux, Soldering

SOLDERING SETS—See Sets, Soldering

SOLDERING STICKS—See Flux, Soldering

SOLDERING SYRUP—See Flux, Soldering

SOLDERLESS TUBING CONNECTIONS—See Couplings, Compression

SOLDIERS, Toy

Grey Iron Casting Co., Mt. Joy, Pa.
Gropper (M.) & Sons, 34 34th, B'klyn, N. Y. (Metal)
Ideal Mfg. Co., 1418 Mott Av., Inwood, L. I., N Y. (Metal)
Metal Toy Solder Co., 156 Chestnut, Jersey City, N. J. (Lead)

SOLE STRIPS—See Strips, Leather, Sole

SOLES, Calked

Norlund (O. A.) Co., Williamsport, Pa.

SOLES, Cut—See Soles and Heels

SOLES and HEELS, Leather

(See also Strips, Leather; Sole; also Taps, Shoe)

Coulson Heel Co., Hanover, Pa. "Jiffy-On"
Delany (J. M.) & Co., Charles, Meriden, Conn. "Guaranteed," "Marion," "Tip Top," "Wearproof Waterproof"
Eagleston Bros., Lynn, Mass.
Fleckstein (C. G.) Co., Muskegon, Mich. "Flexoak"
Graton & Knight Co., Worcester, Mass.
Gross, Wm. M., Sharon, Pa. "Fyretest"
Hagerstown Leather Co., Inc., Hagerstown, Md.
Howard (J. W. & A. P.) Co., Corry, Pa "Korry Krome"
Huntington Rubber Mills, Portland, Ore.
James (Geo.) Co., Boston, Mass.
Karno (L.) & Co., Chicago, Ill.
Mount Union Tanning & Extract Co., Mount Union, Pa.
Tanners Cut Sole Co., Boston, Mass.
U. S. Leather Co., 2 Park Av., New York, N. Y. "Allen," "Steerhead"
Wilder & Co., Chicago, Ill. "Acorn," "Golden Oak," "Hard-Wear," "Lion," "No-Wet," "Panama," "Wearlong"

SOLES and HEELS, Rubber

Atlantic Mfg. Co., Wilmington, Del. "Pyramid Rubbestos," "Pep-Step"
Auburn Rubber Co., Auburn, Ind. "Cement-Ons," "Nu-Soles," "Savets," "Stik-Tite," "Super Soles," "Ustikon"
Boston Woven Hose & Rubber Co., Cambridge, Mass. "Bull Dog," "Good Luck," "Vim"
Brockman (Oscar) Co., Louisville, Ky. (Composition)
Brown Rubber Co., Lafayette, Ind. "New Wear"
Converse Rubber Shoe Co., Malden, Mass.
Coulson Heel Co., Hanover, Pa. "Jiffy-On"
Dryden Rubber Co., Chicago, Ill.
Elyria National Rubber Heel Co., Elyria, O.
Essex Rubber Co., Trenton, N. J. "Tite-Edge"
Firestone Footwear Co., Hudson, Mass.
Fisk Tire Co., Chicopee Falls, Mass.
Foster Rubber Co., Boston, Mass. "Orthopedic," "Tredair"
Goodrich (B. F.) Co., Akron, O.
Goodyear Tire & Rubber Co., Akron, O.
Gross Wm. M., Sharon, Pa. "Fyretest"
Hale (Alfred) Rubber Co., Atlantic, Mass.
Heimbach Rubber Heel Co., Duluth, Minn.
Hill Rubber Heel Co., Elyria, O.
Holtite Mfg. Co., Baltimore, Md. "Jax," "Sta-On"
I. T. S. Co., Elyria, O.
James Mfg. Co., Cleveland, O "Gyro"
Las-Stik Mfg. Co., Hamilton, O.
Lucky Sole Co., Cincinnati, O.
Mount Union Tanning & Extract Co., Mount, Union, Pa.
O'Sullivan Rubber Co., 131 Hudson, New York, N. Y.
Panco Rubber Co., Chelsea, Mass. "Monogram," "Panther," "Victor"
Panther Rubber Mfg. Co., Stoughton, Mass.
Pennsylvania Rubber Co., Jeanette, Pa.
Perfect Mfg. Co., Cincinnati, O. "Savasole"
Petley Rubber Mfg. Co., Milwaukee, Wis.
Plymouth Rubber Co., Inc., Canton, Mass. "Slipknot"
Pneumatic Cushion Rubber Heel Co., Boston, Mass.
Polson Rubber Co., Garrettsville, O. "I.X.L."
Quabug Rubber Co., North Brookfield, Mass.
Republic Rubber Corp., Youngstown, O.
Revere Rubber Co., Chelsea, Mass. "Spring Step"
Rubber Products Co., Barberton, O.
Serton Rubber Co., Dayton, O. "Derby," "Sert-On," "Sturdee"
So-Lo Works, Cincinnati, O.
Sweet (E. A.) Co., Inc., Binghamton, N. Y. "Paracord"
Taunton Rubber Co., Taunton, Mass.
U. S. Rubber Co., 1790 B'way, New York, N. Y.
Van Cleef Bros., Chicago, Ill. "Tite-On"
Western Rubber Co., Goshen, Ind.

SOLID TOOTH SAWS—See Saws, Circular

SOLVENTS, Drain Pipe—See Solvents, Sewer and Drain Pipe

SOLVENTS, Powder

Hoppe (Frank A.), Inc., 2314-H N. 8th, Phila., Pa.
Savage Arms Co., Utica, Pa.

SOLVENTS, Sewer and Drain Pipe

Babbitt (B. T.), Inc., 15 W. 34th, New York, N. Y. (Lyne and Lime)
Blue Seal Chemical Co., Roselle, N. J.
Chamberlain-Haber Chemical Co., Cleveland, O. "Presto"
Champion Chemical Wks., Chicago, Ill.
Chemical Toilet Corp., Syracuse, N. Y. 'San"
Cooper Sanitary Mfg. Co., Phila., Pa. "Red Label"
Dolge (C. B.) Co., Westport, Conn.
Economy Plumber Co., 332 Canal, New York, N. Y.
Heller (B.) & Co., Chicago, Ill. "Ozo"
Hercules Chemical Co., Inc., 332 Canal, New York, N. Y.
House (Chas. F.) Mfg. Co., Inc., Omaha, Neb.
Metropolitan Refining Co., Inc., 23 50th Av., Long Island City, N. Y. "Drainkleen"
Norristown Asbestos Mfg. Co., Boston, Mass. "Mecco"

SOOT DESTROYERS—See Destroyers, Soot

SORTERS, Corn—See Graders or Sorters, Corn

SOUP STRAINERS—See Strainers, Jelly, Etc.

SOWERS, Grass Seed, Hand

Crown Mfg. Co., Phelps, N. Y. "Crown"
Cyclone Seeder Co., Urbana, Ind. "Champion," "Double Fan," "Horn," "Little Giant," "Little Wonder"
Goodell Co., Antrim, N. H. "Cahoon"
Payne (E. E.) Co., Goshen, Ind. "Abbott," "Champion," "Si-Ko"
Pratt (Wm. E.) Mfg. Co., Chicago, Ill. "Perfect"
Seeder Mfg. Co., Homer, Mich. "Long Distance," "Michigan"

SPADE HANDLES—See Handles, Scoop, Spade and Shovel

SPADES and SHOVELS—See Shovels, Spades and Scoops

SPADES, Collapsible—See Shovels, Spades and Scoops

SPADES, Concrete—See Shovels, Concrete

SPADES, Ditching and Drain

American Fork & Hoe Co., Cleveland, O.
Ames, Baldwin, Wyoming Shovel Co., Parkersburg, W. Va.
C-K-R Company, Cleveland, O. "Rittenhouse"
Ingersoll Steel & Disc Co., New Castele, Ind.
Iwan Bros., South Bend, Ind.
Wood Shovel & Tool Co., Piqua, O.

SPADES, Drain—See Spades, Ditching and Drain; also Shovels, Spades and Scoops

SPADES, Garden

American Fork & Hoe Co., Cleveland, O.
Ames, Baldwin, Wyoming Shovel Co., Parkersburg, W. Va.
C-K-R Company, Cleveland, O.
Ingersoll Steel & Disc Co., New Castle, Ind.
Wood Shovel & Tool Co., Piqua, O.

SPADES, Post

American Fork & Hoe Co., Cleveland, O.
Ames, Baldwin, Wyoming Shovel Co., Parkersburg, W. Va.
Ingersoll Steel & Disc Co., New Castle, Ind.
Wood Shovel & Tool Co., Piqua, O.

SPADES, Tiling

Ingersoll Steel & Disc Co., New Castle, Ind.
Iwan Bros., South Bend, Ind.
Osmundson Tile Spade Co., Webster City, Ia. "Queen"

SPADES, Toy—See Sets, Garden, Toy

SPADES, Wooden

Bogert & Hopper, 223 Varick, New York, N. Y.
Estes (E. B.) & Son, Inc., 25 Vanderbilt Av., New York, N. Y.

SPADING FORKS—See Forks, Garden

SPANNERS, Hose

Crane Co., Chicago, Ill.
Schlangen Mfg. Co., Chicago, Ill.

SPANNERS, Pin Hose and Plug

Armstrong Bros. Tool Co., 300 N. Francisco Av., Chicago, Ill.

SPAR VARNISHES—See Varnishes, Spar

SPARE TIRE LOCKS—See Locks, Spare Tire

SPARK GUARDS—See Guards, Spark, Fireplace

SPARK LIGHTERS—See Lighters, Gas

SPARK PLUGS—See Plugs, Spark

SPARROW TRAPS—See Traps, Sparrow

SPATULAS

A. & J. Kitchen Tool Co., Chicago, Ill. "Blutip"
Acme Metal Goods Mfg. Co., 2 Orange, Newark, N. J.
Buffalo Knife Co., Buffalo, N. Y.
Clyde Cutlery Co., Clyde, O.
Harrington Cutlery Co., Southbridge, Mass. "Dexter"
Hyde Mfg. Co., Southbridge, Mass.
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass. "Anchor"
Landers, Frary & Clark, New Britain, Conn. "Universal"
Mechanics Tool & Wrench Co., Greenfield, Mass.
Ontario Knife Co., Franklinville, N. Y. "Never-Stain," "Tru-Edge"
Plymouth Stamped Metal Co., Galion, O.
P. M. C. Mfg. Corp., Kingston, N. Y.
Remington Arms Co., Inc., Bridgeport, Conn. "Klean Blade"
Ridgely Trimmer Co., Springfield, O.
Royal Mfg. Co., Phila., Pa.
Russell (John) Cutlery Wks., Turners Falls, Mass.
Samson-United Corp., Rochester, N. Y. (Stainless)
Sommer (J. L.) Mfg. Co., 251 New Jersey Railroad Av., Newark, N. J.
Vaughan Novelty Mfg. Co., Chicago, Ill. (Wire and Wood Handles)
Voos Co., Inc., New Haven, Conn.
Wallace Bros., Wallingford, Conn.
Washburn Company, Worcester, Mass.

SPEAKING TUBES, House—See Tubes, Speaking, House

SPEARS, Fishing

Abbey & Imbrie, Utica, N. Y.
Arcade Mfg. Co., Freeport, Ill.
Bonafide Mfg. Co., Plymouth, Mich.
Buel (J. T.) Co., Saratoga Springs, N. Y.
Collins Co., Collinsville, Conn. "Legitimus"
Enterprise Mfg. Co., Dept HA, Akron, O. "Ecko," "Fenix"
Hahn, L. H., Newark, N. J.
Horrocks-Ibbotson Co., Dept S, Utica, N. Y.
Norlund (O. A.) Co., Williamsport, Pa. "Lion," "Stoneproof"
Shakespeare Co., Kalamazoo, Mich.
Wilcox, Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.

SPEARS, Frog—See Spears, Fishing

SPECIALTIES, Metal

American Badge Co., Chicago, Ill.
Bennett Mfg. Co., Alden, N. Y. (Sheet Metal)
Bridgeport Chain & Mfg. Co., Bridgeport, Conn.
Dayton Toy & Specialty Co., Dayton, O.
Fernald Mfg. Co., North East, Pa.
Huebel Mfg. Co., 103 Monroe, Newark, N. J.
Ideal Can Co., Everett, Mass.
Metal Specialty Co., Cincinnati, O.
Midwest Hardware Co., Chicago, Ill.
Milcor Steel Co., Milwaukee, Wis.
Parker Wire Goods Co., Worcester, Mass. (Pressed)
Pennsylvania Lawn Mower Wks., Inc., Primos, Del. Co., Pa.
National Sheet Metal Co., Peru, Ill.
Premax Products, Inc., Niagara Falls, N. Y.
Reed & Prince Mfg. Co., Worcester, Mass.
Sexton Can Co., Everett, Mass.

SPECIALTIES, Vacuum

Landers, Frary & Clark, New Britain, Conn. "Stanley," "Universal"

SPEED INDICATORS—See Indicators, Speed

SPEEDOMETERS

Standard Thermometer Co., Roxbury, Mass.
Stewart-Warner Corp., Chicago, Ill.
Waltham Watch Co., Waltham, Mass.

SPELLING BLOCKS—See Blocks, Alphabet

SPELLING BOARDS—See Boards, Spelling

SPICE BOXES—See Boxes, Salt, Spice, Etc.

SPICE MILLS—See Mills, Coffee or Spice

SPIDERS and SKILLETS

(See also Pans, Frying; also under Ware)

Akron-Selle Co., Akron, O. "Tasco"
Atlanta Stove Wks., Atlanta, Ga.
Bellaire Enamel Co., Bellaire, O. "Neverbreak"
Bremer Aluminum Corp., Chicago, Ill. "Dr. Koch"
Corning Glass Wks., Corning, N. Y. "Pyrex"
Crescent Foundry Co., St. Louis, Mo. "Ozark"
Excel Electric Mfg. Co., Muncie, Ind. (Electric)
Favorite Stove & Range Co., Piqua, O.
Gray & Dudley Co., Nashville, Tenn.
Griswold Mfg. Co., Erie, Pa.
Health-Maid, Inc., Cleveland, O.
Jones Hollow Ware Co., Baltimore, Md.
Lalance & Grosjean Mfg. Co., Woodhaven, N. Y. "Cold Handle"
Lucey Products Corp., 233 B'way, New York, N. Y.
Metal Ware Corp., Two Rivers, Wis. "Pilgrim Ware"
National Aluminum Mfg. Co., Peoria, Ill.
National Enameling & Stamping Co., Milwaukee, Wis.
National Pressure Cooker Co., Eau Claire, Wis.
New York Stamping Co., N. 11th Av. & Berry, B'klyn, N. Y.
Revere Brass & Copper Co., 230 Park Av., New York, N. Y.
Transue & Williams Steel Forging Corp., Alliance, O. "Nirosta" (Stainless Steel)
Vollrath Co., Sheybogan, Wis. "Imperial"
Wagner Mfg. Co., Sidney, O.
West Bend Aluminum Co., West Bend, Wis.
Wheeling Corrugating Co., Wheeling, W. Va. "Corco"

SPIGOTS—See Faucets

SPIKES, Boat

American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
Ames (W.) & Co., 417 Communipaw Av., Jersey City, N. J.
Bethlehem Steel Co., Bethlehem, Pa.
Republic Steel Corp., Upson Nut Div., Cleveland, O.
St. Louis Screw Co., St. Louis, Mo.
Tremont Nail Co., Wareham, Mass.

SPIKES, Cut

Bethlehem Steel Co., Bethlehem, Pa.
Gulf States Steel Co., Birmingham, Ala. "Gulfsteel"
Illinois Nail Co., Chicago, Ill.
La Belle Iron Wks., Steubenville, O.
Malleable Iron Fittings Co., Branford, Conn. "M. I. F. Co."
Norton Iron Wks., Ashland, Ky.
Republic Iron & Steel Co., Youngstown, O.
Severence (S.) Mfg. Co., Pittsburgh, Pa.
Tredeger Co., Richmond, Va.
Tremont Nail Co., Wareham, Mass.
Van Alen & Co., Northumberland, Pa.
Wheeling Corrugating Co., Wheeling, W. Va.
Youngstown Steel Products Co., Youngstown, O.

SPIKES, Marlin

American Logging Tool Co., Evart, Mich.
Drew (C.) & Co., Kingston, Mass.

SPINDLES, Knob

Barrows Lock Wks. of Yale & Towne Mfg. Co., Lockport, Ill.
Corbin, P. & F., New Britain, Conn.
Sager Lock Wks. of Yale & Towne Mfg. Co., No. Chicago, Ill.
Sargent & Co., New Haven, Conn.
Yale & Towne Mfg. Co., Stamford, Conn.

SPINNERS, Trolling—See Spoons and Spinners, Trolling

SPINNING TOPS—See Tops, Spinning

SPIRAL RATCHET SCREW DRIVERS—See Screw Drivers, Ratchet

SPIRAL SPRINGS—See Springs, Small

SPIRIT LEVEL GLASSES—See Glasses, Spirit Level

SPIRIT TUBES—See Tubes, Spirit

SPITTOONS—See Cuspidors

SPLICERS, Wire, Fence

American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
Crescent Tool Co., Jamestown, N. Y. "Red Devil"
Klein (Mathias) & Sons, 3200 Belmont Av., Chicago, Ill.
Page Steel & Wire Co., Monesson, Pa.

SPLICING COMPOUNDS—See Tape, Rubber and Friction

SPLIT SHOT—See Shot, Split

SPLITTERS, Butchers'

Chatillon (John) & Sons, 85 Cliff, New York, N. Y. "Foster Bros."
Henckels (J. A.), Inc., 456 4th Av., New York, N. Y. "Twin Brand," "Welkut"
Landers, Frary & Clark, New Britain, Conn.
Mechanics Tool & Wrench Co., Greenfield, Mass.
Ohlen-Bishop Co., Columbus, O.
Village Blacksmith Folks, Watertown, Wis.
White (L. & I. J.) Co., Division of the Simonds-Worden-White Co., Dayton, O.

SPOKE POINTERS—See Pointers, Spoke

SPOKE SHAVES—See Shaves, Spoke

SPOKE WEDGES—See Wedges, Box, Spoke and Tool

SPOKES, Wagon, Etc.

Bernard (A. M.) Wagon Wks., Inc., New Iberia, La.
Fort Smith Rim & Bow Co., Fort Smith, Ark. Cutting Brand"

SPONGE BASKETS—See Baskets, Sponge

SPONGE ROLLERS—See Rollers, Sponge

SPONGES and CHAMOIS

American Sponge & Chamois Co., 23 Beekman, New York, N. Y. "Mermaid"
American Standard Mfg. Co., Chicago, Ill.
Bloch, Albert, 36 Walker, New York, N. Y. "Abesco Brand"
Gulf & West Indies Co., Inc., 252 Pearl, New York, N. Y. ""Frenchy"
Lasker & Bernstein, 23 Beekman, New York, N. Y. "Pilgrim," "Red Seal"
Louden & Hill, Phila., Pa.
Masland Mfg. Corp., Phila., Pa. "Nu-Sham-EE"
Metal Sponge Sales Corp., Phila., Pa. "Gottschalk's"
Nassau Sponge Co., Chicago, Ill.
Niehaus (Jos.) Co., Cincinnati, O.
Rhodes (Jas. H.) & Co., Chicago, Ill.
Schroeder & Tremayne, Inc., St. Louis, Mo.
Van Schaak (Peter) & Sons, Chicago, Ill. "Chamoline"

SPOOLED WIRE—See Wire, Spooled

SPOONS, Aluminum

Aluminum Goods Mfg. Co., Manitowoc, Wis.
Buckeye Aluminum Co., Wooster, O. "Real Solid"
Landers, Frary & Clark, New Britain, Conn.
Wagner Mfg. Co., Sidney, O.

SPOONS, Basting and Mixing

Acme Metal Gds. Mfg. Co., 2 Orange, Newark, N. J.
American Can Co, 230 Park Av., New York, N. Y.
Buckeye Aluminum Co., Wooster, O. "Real Solid"
C-K-R Company, Cleveland, O.
Doylestown Aluminum Ware Co., Doylestown, O.
Handy Things Mfg. Co., Ludington, Mich.
Hills, Edwin, Plainville, Conn.
Kohler Die & Specialty Co., DeKalb, Ill.
Lalance & Grosjean Mfg. Co., Woodhaven, L. I., N. Y.
Landers, Frary & Clark, New Britain, Conn.
Munising Woodenware Co., Cleveland, O.
National Enameling & Stamping Co., Milwaukee, Wis.
Peoria Can Co., Peoria, Ill.
P.M.C. Mfg. Corp., Kingston, N. Y.
Racine Iron & Wire Wks., Racine, Wis.
Samson-United Corp., Rochester, N. Y. (Stainless)
Stover Mfg. & Engine Co., Freeport, Ill.
Stuber & Kuck Co., Peoria, Ill. "Perfection"
Taplin Mfg. Co., New Britain, Conn.
Transue & Williams Steel Forging Corp., Alliance, O. "Nirosta" (Stainless Steel)
U. S. Stamping Co., Moundsville, W. Va.
Utility Mfg. Co., Baltimore, Md.
Vaughan Novelty Mfg. Co., Chicago, Ill. "No Chip"
Voos Co., Inc., New Haven, Conn.
Wagner Mfg. Co., Sidney, O.
Wallace Bros., Wallingford, Conn. "W.B.W."
Washburn Company, Worcester, Mass. "Sno-Cap"
White (Ira F.) & Son Co., Bloomfield, N. J. "Whirlpool"

SPOONS, Hook

Landers, Fray & Clark, New Britain, Conn.
Wallace Bros., Wallingford, Conn. "W.B.W."

SPOONS, Ice Cream

Atlas-Ansonia Co., New Haven, Conn.
Giles & Nielsen Nickel Wks., Troy, N. Y.
National Enameling & Stamping Co., Milwaukee, Wis.
Stuber & Kuck Co., Peoria, Ill.
Wagner Mfg. Co., Sidney, O.
Wallace Bros., Wallingford, Conn. "W.B.W."

SPOONS, Iced Tea and Soda

Wallace Bros., Wallingford, Conn. "W.B.W."

SPOONS, Mixing—See Spoons, Basting and Mixing

SPOONS, Soda—See Spoons, Iced Tea and Soda

SPOONS, Tinned

(See also Ware, Table, Tinned)

Atlas-Ansonia Co., New Haven, Conn.
Benedict Mfg. Co., East Syracuse, N. Y.
Dover Stamping & Mfg. Co., Cambridge, Mass.
Grasberger (B. A.) & Co., Richmond, Va.
Lalance & Grosjean Mfg. Co., Woodhaven, L. I., N. Y.
Lisk Mfg. Co., Canandaigua, N. Y.
National Enameling & Stamping Co., Milwaukee, Wis.
Parker (Chas.) Co., Meriden, Conn.
Peoria Can Co., Peoria, Ill.
Russell (J.) Cutlery Co., Turners Falls, Mass.
Savory, Inc., 591 Ferry, Newark, N. J.
Union Cutlery & Hardware Co., Unionville, Conn
Wallace Bros., Wallingford, Conn. "W.B.W."
Washburn Company, Worcester, Mass.

SPOONS and SPINNERS, Trolling and Casting

(See also Baits, Fish, Artificial)

Abbey & Imbrie, Utica, N. Y.
Aeroplane Spinner Mfg. Co., Denver, Colo.
Buel (J. T.) Co., Saratoga Springs, N. Y.
Enterprise Mfg. Co., Dept. HA, Akron, O. "Bearcat," "Bear Valley," "Buffalo," "Colorado," "Dragon," "Flilite," "Fourbrothers," "Gipsie," "Harp," "Hydro," "Indiana Fly," "June Bug," "Lowe-Star," "Luminous," "McMurray," "Monogram," "Multilite," Muskill," "O-Boy," "Pelican," "Pflueger Bull Dog," "Pilot," "Pippin," "Portage," "Record Spoon," "Red Devil," "Rover," "Snapie," "Star Colorado," "Tandem," "Vanitie," "Washington," "Washore," "Whirl-I-Gig," "Whoopee," "Woole Worm"
Eppinger, Lou J., Detroit, Mich. "Eppinger," "Notangle"
Hildebrandt (John J.) Co., Logansport, Ind. "Flicker," "Hummer," "Idaho," "Russian," "Slim Eli," "Standard"
Horrocks-Ibbotson Co., Dept. S., Utica, N. Y. "Colorado," "Mohawk"
Kewell (Chas. H.) Co., San Francisco, Cal.
Knowles (S. E.) Co., San Francisco, Cal.. "Automatic Striker"
L. S. Bait Co., Detroit, Mich.
Mills (Wm.) & Son, 21 Park Place, New York, N. Y.
Ott, Philip S., Dept. E, Pekin, Ill.
Oregon Fishing Spoon Co., Portland, Ore.
Paw Paw Bait Co., Paw Paw, Mich.
Pealer (E. O.) Co., Utica, N. Y. "Colorado," "Little Wonder," "June Bug"
Shakespeare Co., Kalamazoo, Mich.
South Bend Bait Co., South Bend, Ind.
Stanley & Williams Bait Co., Chicago, Ill. "Rainbow"
Sutton Co., Naples, N. Y.
Weber Lifelike Fly Co., Stevens Point, Wis.
Wilson, Al., San Francisco, Cal.

SPOONS, Vegetable

Landers, Frary & Clark, New Britain, Conn. "Universal"
Wallace Bros., Wallingford, Conn. "W.B.W."

SPOONS, Wooden

Alimo Trading & Importing Co., 61 E. 11th, New York, N. Y.
Bogert & Hopper, 223 Varick, New York, N. Y.
Bates (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Dunising Woodenware Co., Cleveland, O.
Farrish (J Shepherd) Co., Chicago, Ill.
Piqua Handle & Mfg. Co., Piqua, O.
Richardi & Bechtold, Bellaire, Mich.
Stratton Mfg. Co., Stratton, Me.

SPORT NETS—See Nets, Tennis and Sport

SPORT VISORS—See Visors, Sport

SPORTING GOODS—See article desired

SPOTS, Harness

Enterprise Mfg. Co., Dept. HA., Akron, O.
Smith (F. H.) Mfg. Co., Chicago, Ill.
Thomson (Judson L.) Mfg. Co., Waltham, Mass.

SPOUTS, Bung

Landers, Frary & Clark, New Britain, Conn "Lee's"
Redlich Mfg. Co., Chicago, Ill.

SPOUTS, Sap

American Can Co., 230 Park Av., New York, N.Y.
Badger (E. B.) & Sons Co., Boston, Mass.
Grimm (G. H.) Est., Rutland, Vt.
Hunting Supply Corp., Watertown, N. Y.
Jarvis (Geo. D.) & Co., Burlington, Vt.
Wilcox, Crittenden & Co., Inc., 77 S. Main, Middletown, Conn. "Eureka"

SPRAY GUNS—See Guns, Spray

SPRAY HEADS—See Nozzles, Hose

SPRAY PUMPS—See Pumps, Spray

SPRAYERS, Compressed Air, Hand

Barnes Mfg. Co., Mansfield, O.
Bean (John) Mfg. Co., Lansing, Mich.
Binks Mfg. Co., Chicago, Ill. "Air-Way"
Brown (E. C.) Co., Rochester, N. Y. "Autospray"
Crestline Mfg. Co., Crestline, O.
Deming Co., Salem, O. "Aerospra," "Spraero," "Spraero, Jr."
Dobbins Mfg. Co., N. St. Paul, Minn. "Superbilt"
Electric Sprayit Co., South Bend, Ind. "Apex," "Excelo," "G. V.," "Tempest"
Field Force Pump Co., Elmira, N. Y. "Good News"
Goulds Mfg. Co., Seneca Falls, N. Y.
Hardie Mfg. Co., Hudson, Mich. "Misto"
Hayes Pump & Planter Co., Galva, Ill.
Hoeft & Co., Inc., North Chicago, Ill. "Moe's"
Hudson (H. D.) Mfg. Co., Chicago, Ill. "Brandt," "Chemical," "Climax," "Clipper," "Easy," "Economy," "Favorite," "Junior," "Leader," "Perfection," "Thrifty," "Trombone"
K-M Supply Co., Kansas City, Mo.
Lesser Mfg. Co., Olean, N. Y. "Red Head"
Lowell Specialty Co., Lowell, Mich.
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O.
Peoria Hydraulic Pump Co., Peoria, Ill.
Potato Implement Co., Travers City, Mich. "Acme," "Super-Bilt"
Rippley Mfg. Co., Grafton, Ill.
Smith (D. B.) & Co., Utica, N. Y. "Banner," "Blizzard," "Jim Dandy," "Lightning"
Wilson (Andrew), Inc., Springfield, N. J. "Hydro-Air"

SPRAYERS, Fertilizer

Alliance Mfg. Co., Alliance, O. "Doo-Klip" (Attaches to Faucet)
Duro Metal Products Co., Chicago, Ill. "Plant-O-Grow"
Electric Sprayit Co., South Bend, Ind. "Sprayit Plantilizer" (Attaches to Hose)
Freitag (R. H.) Mfg. Co., Akron, O. "Fertil-Spray"
Twenty Purpose Sprinkler-Filler Co., Peoria, Ill.
Vex Corp., Chicago, Ill.

SPRAYERS, Field, Automatic

Brown (E. C.) Co., Rochester, N. Y. "Autospray"
Champion Corp., Hammond, Ind. "O. K."
Crown Mfg. Co., Phelps, N. Y.
Eureka Mower Co., Utica, N. Y.
Field Force Pump Co, Elmira, N. Y. "Aroostook," "Red Jacket," "Watson," "Wooster," "Yellow Jacket"
Friend Mfg. Co., Inc., Gasport, N. Y. (Traction Gasoline)
Hardie Mfg. Co., Hudson, Mich.
Hudson (H. D.) Mfg. Co., Chicago, Ill. "America," "Simplex," "Wallace"
Hydraulic Press Mfg. Co., Mt. Gilead, O. "Mount Gilead"
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O.
Peppler (Thos.) Son & Co., Hightstown, N. J. "Perfection"
Pontiac Tractor Co., Pontiac, Mich.
Smith (D. B.) & Co., Utica, N. Y. "Banner"
Stahl (Wm.) Sprayer Co., Quincy, Ill. "Excelsior"

SPRAYERS, Field, Hand Power

Barnes Mfg. Co., Mansfield, O.
Binks Mfg. Co., Chicago, Ill.
Brown (E. C.) Co., Rochester, N. Y. "Autospray"
Deming Co., Salem, O. "Wheel-Rite"
Friend Mfg. Co., Inc., Gasport, N. Y.
Hardie Mfg. Co., Hudson, Mich.
Hudson (H. D.) Mfg. Co., Chicago, Ill. "America," "Brandt," "Daisy," "Simplex"
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O. "Cog Gear," "Defiance," "Faultless," "Imperial," "Improved," "Little Giant," "O. K.," "Panama," "Peerless," "Perfect," Portable"
Peoria Hydraulic Pump Co., Peoria, Ill.
Peppler (Thos.) Son & Co., Hightstown, N. J. "Perfection"
Smith (D. B.) & Co., Utica, N. Y.
Stahl (Wm.) Sprayer Co., Quincy, Ill. "Excelsior"

SPRAYERS, Garden, Hand

Armstrong Electric & Mfg. Corp., Huntington, W. Va.
Bean (John) Mfg. Co., Lansing, Mich.
Binks Mfg. Co., Chicago, Ill.
Brown (E. C.) Co., Rochester, N. Y. "Autospray"
Campbell-Hausfeld Co., Harrison, O. "Paragon"
Crestline Mfg. Co., Crestline, O.
Dobbins Mfg. Co., St. Paul, Minn. "Superbilt"
Electric Sprayit Co., South Bend, Ind. "Atlas," "Easy," "G. V.," "Keen," "King," "Little Elf," "Premo"
Eureka Mower Co., Utica, N. Y. "Perfection"
Goulds Mfg. Co., Seneca Falls, N. Y.
Hoeft & Co., Inc., North Chicago, Ill. "Moe's"
Houchin (Thos. W.) Co., 309 9th, Jersey City, N. J.
Hudson (H. D.) Mfg. Co., Chicago, Ill. "Crescent," "Daisy," "Handy," "Midget," "Misty," "Rainbow," "Rapid," "Vapor"
Humphryes Mfg. Co., Mansfield, O.
Judd & Leland Mfg. Co., Clifton Springs, N. Y. "Breasy," "Little Wonder," "New Peerless"
Lesser Mfg. Co., Allegany, N. Y. "Jumbo," "King," "Redhead"
Lowell Specialty Co., Lowell, Mich.
Metal Specialties Mfg. Co., Chicago, Ill.
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O. "Du-All," "Faultless," "Handy"
Potato Implement Co., Traverse City, Mich. "Acme," Canteen," "Continuous," "Cyclone," "Faultless," "Fog," "Midget," "Perfect," "Perfection," "Simple," "Special," "Tornado"
Rippley Mfg. Co., Grafton, Ill. "Dexter"
Rose (Frank) Mfg. Co., Hastings, Neb. "Naylor"
Smith (D. B.) & Co., Utica, N. Y. "Banner," "Blizzard," "Best," "Jim Dandy," "Lightning," "Sturdy," "U.T.K.," "Yankee"
Stahl (Wm.) Sprayer Co., Quincy, Ill.
Washburn Company, Worcester, Mass.

SPRAYERS, Gasoline Engine

Bean (John) Mfg. Co., Lansing, Mich. "Giant," "Pony," "Simplicity"
Brunner Foundry & Mchy. Co., Peru, Ill.
Crestline Mfg. Co., Crestline, O. "Baby Whale," "Hector," "Tiny Whale," "Whale"
Deming Co., Salem, O. "Adapter," "Planet," "Victory"
Domestic Engine & Pump Co., Shippensburg, Pa.
Douglas (W. & B.) Pump Co., Phila., Pa. "Charter Oak," "Granger," "Suburban," "Woodland"
Electric Sprayit Co., South Bend, Ind. "G.V."
Fairbanks, Morse & Co., Chicago, Ill. "Mist"
Field Force Pump Co., Elmira, N. Y. "Empire Leader," "Leader," "Park Leader," "Tayoga"
Friend Mfg. Co., Inc., Gasport, N. Y.
Goulds Pumps, Inc., Seneca Falls, N. Y. "Dreadnaught," "Invincible"
Hardie Mfg. Co., Hudson, Mich.
Hayes Pump & Planter Co., Galva, Ill.
Hudson (H. D.) Mfg. Co., Chicago, Ill. "America," "Perless"
Mast, Foos & Co., Springfield, O. "Buckeye"
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O. "Du-All Cub," "Du-All Duplex," "Du-All Junior," "Giant Duplex," "Giant Triplex," "Low Down," "Self-Oiling Junior," "Triplex"
Peoria Hydraulic Pump Co., Peoria, Ill.
Pontiac Tractor Co., Pontiac, Mich. "Special"
Reierson Mchy. Co., Portland, Ore. "Pippin"
Stahl (Wm.) Sprayer Co., Quincy, Ill. "Excelsior"
Ward Pump Co., Rockford, Ill. "Bull Dog"

SPRAYERS, Hand Cart

Barnes Mfg. Co., Mansfield, O.
Bean (John) Mfg. Co., Lansing, Mich.
Binks Mfg. Co., Chicago, Ill.
Brown (E. C.) Co., Rochester, N. Y.
Deming Co., Salem, O. "Gardener's Choice," "Universal," "Wheel-A-bout"
Field Force Pump Co., Elmira, N. Y. "Empire King"
Friend Mfg. Co., Inc., Gasport, N. Y.
Goulds Mfg. Co., Seneca Falls, N. Y.
Hardie Mfg. Co., Hudson, Mich.
Hayes Pump & Planter Co., Galva, Ill.
Hudson (H. D.) Mfg. Co., Chicago, Ill. "Eureka," "Imperial"
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O. "Giant," "Handy," "Portable"
Peoria Hydraulic Pump Co., Peoria, Ill.
Smith (D. B.) & Co., Utica, N. Y. "Smith Wheelbarrow"

SPRAYERS, Horse Drawn

Brown (E. C.) Co., Rochester, N. Y.
Hardie Mfg. Co., Hudson, Mich.
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O. "Du-All," "Du-All Cub," "Du-All Duplex," "Du-All Junior," "Giant Duplex," "Giant Triplex," "Self-Oiling Junior," "Triplex"

SPRAYERS, Knapsack, Hand

Barnes Mfg. Co., Mansfield, O.
Brown (E. C.) Co., Rochester, N. Y. "Autospray"
Deming Co., Salem, O. "Aerospra," "Handy," "Prize," "Spra-Rite," "Success"
Douglas (W. & B.) Pump Co., Phila., Pa.
Electric Sprayit Co., South Bend, Ind. "Trombone"
Field Force Pump Co., Elmira, N. Y. "Garfield"

SPRAYERS, Knapsack, Hand (Continued)

Goulds Mfg. Co., Seneca Falls, N. Y. "Handy"
Hudson (H. D.) Mfg. Co., 589 E. Illinois, Chicago, Ill. "Brandt," "Favorite," "Forester," "Junior," "Ozark," "Perfection," "Ranger"
Lowell Specialty Co., Lowell, Mich.
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O. "Perfect"
Potato Implement Co., Traverse City, Mich. "Acme"
Rose (Frank) Mfg. Co., Hastings, Neb. "Naylor"
Rumsey Pump Co., Seneca Falls, N. Y. "Dandy"
Smith (D. B.) & Co., Utica, N. Y.
Stahl (Wm.) Sprayer Co., Quincy, Ill. "Excelsior"

SPRAYERS, Lawn

Alliance Mfg. Co., Alliance, O. "Doo-Klip" (Attaches to Faucet)

SPRAYERS, Paint

Beach (Willard) Air Brush Co., Harrison, N. J. "Baco"
Binks Mfg. Co., Chicago, Ill. "Hurley," "Magic"
Breuer Electric Mfg. Co., Chicago, Ill. "Tornado"
Brunner Mfg. Co., Utica, N. Y.
Champion Pneumatic Mchy. Co., Chicago, Ill.
Chicago Nipple Mfg. Co., Los Angeles, Cal. "Blue Ribbon"
Crown Spray Gun Mfg. Co., Los Angeles, Cal. "Spra-More"
Decora Mfg. Co., Richmond, Cal.
Demco, Inc., Baltimore, Md.
Deming Co., Salem, O.
DeVilbiss Co., Toledo, O.
Dobbins Mfg. Co., No. St. Paul, Minn. "D & B," "Super-Lac"
Dunn Painting Mach. Co., San Francisco, Cal.
Eclipse Air Brush Co., Inc., 79 Orange, Newark, N. J.
Electric Sprayit Co., South Bend, Ind. "G. U.," "Sprayit," "Superior"
Geier (P. A.) Co., Cleveland, O. "Royal," "Royal Utility" (Vacuum Cleaner Attachment)
Globe Mfg. Co., Battle Creek, Mich.
Hudson (H. D.) Mfg. Co., Chicago, Ill. "Vaco" (Vacuum Cleaner Attachment)
Ideal Commutator Dresser Co., Sycamore, N. Y.
Illinois Stamping & Mfg. Co., Chicago, Ill. (Vacuum Cleaner Attachment)
Kellogg Mfg. Co., Rochester, N. Y.
Kline Vacuum Cleaner Co., Cleveland, O. "Klinesprayer" (Vacuum Cleaner Attachment)
Kollmann, A. J., 1739 York Av., New York, N. Y. "Handy Gun" (Vacuum Cleaner Attachment)
Macleod Co., Cincinnati, O.
Matthews Mfg. Co., Inc., Newton, Ia.
Matthews (W. N.) Corp., St. Louis, Mo.
Metal Specialties Mfg. Co., Chicago, Ill. "Presto" ((Electric)
Milburn (Alexander) Co., Baltimore, Md.
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O. "Century," "Duplex"
Newark Varnish Wks., 111 Delaney, Newark, N. J.
New Way Spray Gun Co., Cleveland, O. "Neway"
O. K. Machine Co., Inc., Ft. Wayne, Ind. "O. K. Spra"
Pansche Air Brush Co., Chicago, Ill.
Potato Implement Co., Traverse City, Mich. "Acme"
Simons Paint Spray Brush Co., Dayton, O.
Simplex Spray Equipment Co., Chicago, Ill.
Smith (D. B.) & Co., Utica, N. Y.
Stowe (Geo. M.), Jr., Buffalo, N. Y. "Multiblaster"
Sun Glow Industries, Inc., Mansfield, O.
U. S. Air Compressor Co., Cleveland, O. "Spray-All"
Universal Sprayer Co., 147 Chambers, New York, N. Y.
Vortex Mfg. Co., Cleveland, O.
Weil Machine Co., Detroit, Mich. "Lectrospray"
Wooster Brush Co., Wooster, O. (Vacuum Cleaner Attachment)

SPRAYERS, Potato

Babcock Mfg. Co., Leonardsville, N. Y. "Otsego," "Standard Centrifugal"
Bateman (F. H.) Co., Phila., Pa. "Iron Age"
Brown (E. C.) Co., Rochester, N. Y. "Autospray"
Campbell-Hausfeld Co., Harrison, O. "Paragon"
Champion Corp., Hammond, Ind. "O. K."
Deming Co., Salem, O. "Farmers' Friend," "Planters' Tractor"
Domestic Engine & Pump Co., Shippensburg, Pa.
Douglas (W. & B.) Pump Co., Phila., Pa. "Arlington," "Handy"
Eureka Mower Co., Utica, N. Y.
Field Force Pump Co., Elmira, N. Y. "Red Jacket," "Watson," "Yellow Jacket"
Friend Mfg. Co., Inc., Gasport, N. Y.
Goulds Mfg. Co., Seneca Falls, N. Y. "Monarch," "Pomona"
Hardie Mfg. Co., Hudson, Mich.
Houchin (Thos. W.) Co., 309 9th, Jersey City, N. J.
Hudson (H D.) Mfg. Co., Chicago, Ill. "American," "Brandt," "Climax," "Economy," "Favorite," "Junior," "Perfection," "Simplex," "Thrifty," 'Wallace"
Lowell Specialty Co., Lowell, Mich.
McKenzie Mfg. Co., La Crosse, Wis. "Hercules," "Lindsay," "Reliance"
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O. "Du-All Junior," "Giant Triplex," "Handy," "Triplex"
Peppler (Thos.) Son & Co., Hightstown, N. J. "Perfection"
Smith (D. B.) & Co., Utica, N. Y. "Banner," "Blizzard," "Jim Dandy"
Splittstoser Co., North Branch, Minn.
Stahl (Wm.) Sprayer Co., Quincy, Ill. "Excelsior"
Twenty Purpose Sprinkler-Filler Co., Peoria, Ill.

SPRAYERS, Tank, Hand

Bean (John) Mfg. Co., Lansing, Mich. "Handy"
Brown (E. C.) Co., Rochester, N. Y. "Autospray"
Deming Co., Salem, O. "Handy Success," "Universal Success"
Goulds Pumps, Inc., Seneca Falls, N. Y. "Bordeaux"
Hayes Pump & Planter Co., Galva, Ill.
Houchin (Thos. W.), 309 9th, Jersey City, N. J.
Hudson (H. D.) Mfg. Co., 589 E. Illinois, Chicago, Ill. "Brandt," "Perfection"
Humphryes Mfg. Co., Mansfield, O.
Lowell Specialty Co., Lowell, Mich.
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O. "Faultless," "Handy"
Smith (D. B.) & Co., Utica, N. Y. "Banner," "No. 15," "No. 60"
Stahl (Wm.) Sprayer Co., Quincy, Ill. "Excelsior"

SPRAYERS, Wheelbarrow

Deming Co., Salem, O. "Wheel-A-Bout," "Wheel-Rite"
Hudson (H. D.) Mfg. Co., Chicago, Ill. "Ensign," "Ideal," "Sunshine"
Lowell Specialty Co., Lowell, Mich.
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O. "Giant," "Portable,"
Smith (D. B.) & Co., Utica, N. Y. "Smith"

SPRAYERS, Whitewash—See Sprayers, Paint

SPRAYS, Bath—See Baths, Shower

SPRAYS, Fly—See Repellents, Fly

SPREADERS, Fishing Line

Enterprise Mfg. Co., Dept. HA, Akron, O.

SPRING BALANCES—See Balances, Spring

SPRING BOLTS—See Bolts, Shackle

SPRING CLIPS—See Clips, Spring

SPRING DRILLS, Hammer—See Drills, Hammer, Spring

SPRING HINGES—See under Hinges

SPRING KEY COCKS—See Cocks, Spring Key

SPRING STEEL—See Steel, Spring

SPRING WASHERS—See Washers, Lock

SPRING WIRE—See under Wire

SPRINGS, in Assortments

American Coil Spring Co., Muskegon, Mich.
D'Arcy Spring Co., Kalamazoo, Mich.
Hubbard Spring Mfg. Co., Pontiac, Mich.
Hunter Pressed Steel Co., Lansdale, Pa.
Jones (W. B.) Spring Co., Cincinnati, O.
Peck Spring Co., Plainville, Conn.
Raymond Mfg. Co., Corry, Pa.
Special Hdw. Corp., Medford, N. Y. "No-Junk"
Tuck Mfg. Co., Brockton, Mass.

SPRINGS, Bird Cage

Gibson (Wm. D.) Co., Chicago, Ill.
Hendryx (Andrew B.) Co., New Haven, Conn.
Hunter Pressed Steel Co., Lansdale, Pa.
Lindemann (O.) & Co., 1141 B'way, New York, N.Y.
Parker Metal Goods Co., Worcester, Mass.
Parker Wire Goods Co., Worcester, Mass.
Raymond Mfg. Co., Corry, Pa.
Turner & Stanton Co., Norwich, Conn.
Washburn Company, Worcester, Mass. "Eclipse"
Yost Superior Co., Springfield, O.

SPRINGS, Coil—See Springs, Machinery or Coil; also Springs, Small

SPRINGS, Door

(See also Checks, Door)

American Steel & Wire Co., 208 S. La Salle, Chicago, Ill. "Perfection" (Also Gate)
Arcade Mfg. Co., Freeport, Ill. "Warner"
Automatic Wire Goods Mfg. Co., 717 E. 140th, New York, N. Y.
Barnes (Wallace) Co., Bristol, Conn.
Bommer Spring Hinge Co., 263 Classon Ave., B'klyn, N. Y. "Spiral"
Champion Hardware Co., Geneva, O.
Chicago Spring Butt Co., Chicago, Ill. "Chicago," "Reliance"
Cleveland Wire Spring Co., Cleveland, O.
Corbin, P. & F., New Britain, Conn.
Cuyahoga Spring Co., Cleveland, O.
Ennis Mfg. Co., Reading, Pa.
Everitt Co., Boston, Mass.
Fiwale Equipment Mfg. Co., Inc., 64 Reade, New York, N. Y.
Frantz Mfg. Co., Sterling, Ill.
Hunter Pressed Steel Co., Lansdale, Pa.
Klosquik Mfg. Co., 45 Astor Pl., New York, N. Y.
Miller & Van Winkle, 18 Bridge, B'klyn, N. Y.
Milwaukee Stamping Co., Milwaukee, Wis.
Parker Wire Goods Co., Worcester, Mass. "Eureka"
Phoenix Hdw. Mfg. Co., Buffalo, N. Y.
Raymond Mfg. Co., Corry, Pa.
Reading Hdw Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sabin Mach. Co., Montpelier, Vt.
Sargent & Co., New Haven, Conn.
Sharon Hdw. Co., Sharon, Pa. "Perfect"
Shelby Spring Hinge Co., Shelby, O. "Perfection"
Stanley Wks., New Britain, Conn.
Venus Specialties Co., 1715 8th Av., B'klyn, N. Y.
Wagner Mfg. Co., Cedar Falls, Ia.
Washburn Company, Worcester, Mass. "Perfection"
Wickwire Spencer Steel Co., Inc., 41 E. 42d, New York, N. Y. "Morgan," "Perfection"
Yost Superior Co., Springfield, O.

SPRINGS, Door, Screen

(See also Checks, Door, Screen)

Austin & Smith Co., Cleveland, O. "Ausmo"
Corbin, P. & F., New Britain, Conn.
Cuyahoga Spring Co., Cleveland, O.
Everitt Co., Boston, Mass.
Franz Mfg. Co., Sterling, Ill.
Hunter Pressed Steel Co., Lansdale, Pa.
Lawrence Bros., Sterling, Ill.
National Mfg. Co., Sterling, Ill.
Norton Door Closer Co., 2900 Northwestern Av., Chicago, Ill.
Parker Wire Goods Co., Worcester, Mass.
Raymond Mfg. Co., Corry, Pa.
Shelby Spring Hinge Co., Shelby, O.
Washburn Company, Worcester, Mass.
Wickwire Spencer Steel Co., Inc., 41 E. 42d, New York, N. Y.

SPRINGS, Flat

American Specialty Co., Bridgeport, Conn.
American Spiral Spring & Mfg. Co., Pittsburgh, Pa.
American Spring & Mfg. Corp., Holly, Mich.
American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
Austin & Smith Co., Cleveland, O. "Ausmo"
Automatic Wire Goods Co., 717 E. 140th, New York, N. Y.
Barnes (Wallace) Co., Bristol, Conn.
Cary Spring Co., 240 W. 29th, New York, N. Y.
D'Arcy Spring Co., Kalamazoo, Mich.
Duer Spring & Mfg. Co., Pittsburgh, Pa.
Dunbar Bros. Co., Bristol, Conn.
Everitt Co., Boston, Mass.
Gibson (Wm. D.) Co., Chicago, Ill.
Hubbard Spring Mfg. Co., Pontiac, Mich.
Humanson Mfg. Co., Bristol, Conn.
Hunter Pressed Steel Co., Lansdale, Pa.
Lee Spring Co., 30 Main, B'klyn, N. Y.
Raymond Mfg. Co., Corry, Pa.
Reliance Spring & Mfg. Co., 238 40th, B'klyn, N. Y.
Union Spring & Mfg. Co., New Kensington, Pa.
Wickwire Spencer Steel Co., Inc., 41 E. 42d, New York, N. Y.

SPRINGS, Furniture—See Springs, Upholstering

SPRINGS, Lock

American Spiral Spring & Mfg. Co., Pittsburgh, Pa.
D'Arcy Spring Co., Kalamazoo, Mich.
Hunter Pressed Steel Co., Lansdale, Pa.
Independent Lock Co., Fitchburgh, Mass. "Ilco"
Raymond Mfg. Co., Corry, Pa.
Yost Superior Co., Springfield, O.

SPRINGS, Machinery or Coil

Advance Spring & Wire Co., Chicago, Ill.
American Coil Spring Co., Muskegon, Mich.
American Specialty Co., Bridgeport, Conn.
American Spiral Spring & Mfg. Co., Pittsburgh, Pa.
American Spring & Mfg. Corp., Holly, Mich.
American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
Austin & Smith Co., Cleveland, O. "Ausmo"
Barnes (Wallace) Co., Bristol, Conn.
Cary Spring Wks., 240 W. 29th, New York, N. Y.
Chatillon (John) & Sons, 85 Cliff, New York, N. Y.
Chicago Coil Spring Co., Chicago, Ill.
Cleveland Wire Spring Co., Cleveland, O.
Cuyahoga Spring Co., Cleveland, O.
D'Arcy Spring Co., Kalamazoo, Mich.
Duer Spring & Mfg. Co., Pittsburgh, Pa.
Dunbar Bros., Bristol, Conn.
Eaton Mfg. Co., Massillon, O.
Eureka Spring Co., 150 Bleecker, New York, N. Y.
Everitt Co., Boston, Mass.
Fischer (Chas.) Spring Co., 473 Kent Av., B'klyn, N. Y.
Gardner Wire Co., Chicago, Ill. "Calcutta"
Gibson (Wm. D.) Co., Chicago, Ill.
Hebb, George A., 98 Murray, Newark, N. J.
Hubbard Spring Mfg. Co., Pontiac, Mich.
Humason Mfg. Co., Forestville, Conn.
Hunter Pressed Steel Co., Lansdale, Pa.
Jones (W. B.) Spring Co., Cincinnati, O.

SPRINGS, Machinery or Coil (Continued)

Kokomo Spring Co., Kokomo, Ind.
Miller & Van Winkle, 18 Bridge, B'klyn, N. Y. "Eagle"
Mitchell (W. G.) Spring Wks., Johnstown, Pa.
Murray (Wm. A.) Spring Co., Cincinnati, O.
New York Wire & Spring Co., 15th, Hoboken, N. J.
Peck Spring Co., Plainville, Conn.
Raymond Mfg. Co., Corry, Pa.
Reliance Spring & Mfg. Co., 238 40th, B'klyn, N. Y.
Sahin Machine Co., Montpelier, Vt.
Special Hdw. Corp., Medford, N. Y.
Tuck Mfg. Co., Brockton, Mass.
Wickwire Spencer Steel Co., Inc., 41 E. 42d, New York, N. Y.
Yost Superior Co., Springfield, O.
Young (L. A.) Spring & Wire Corp., Detroit, Mich.

SPRINGS, Porch Swing

American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
Doer Spring & Mfg. Co., Pittsburgh, Pa.
Hunter Pressed Steel Co., Lansdale, Pa.
Raymond Mfg. Co., Corry, Pa.
Yost Superior Co., Springfield, O.

SPRINGS, Screen

Caldwell Mfg. Co., Rochester, N. Y.
Parker Wire Goods Co., Worcester, Mass.
Sargent & Co., New Britain, Conn.

SPRINGS, Small

American Coil Spring Co., Muskegon, Mich.
American Spiral Spring & Mfg. Co., Pittsburgh, Pa.
American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
Austin & Smith Co., Cleveland, O. "Ausmo"
Automatic Wire Goods Mfg. Co., 717 E. 140th, New York, N. Y.
Barnes (Wallace) Co., Bristol, Conn.
Cary Spring Wks., 240 W. 29th, New York, N. Y.
Cleveland Wire Spring Co., Cleveland, O.
Cuyahoga Spring Co., Cleveland, O.
D'Arcy Spring Co., Kalamazoo, Mich.
Dunbar Bros. Co., Bristol, Conn.
Gardner Wire Co., Chicago, Ill. "Calcutta"
Gibson (Wm. D.) Co., Chicago, Ill.
Girard Model Wks., Girard, Pa.
Hubbard Spring Mfg. Co., Pontiac, Mich.
Humason Mfg. Co., Bristol, Conn.
Hunter Pressed Steel Co., Lansdale, Pa.
Jackson Cushion Spring Co., Jackson, Mich.
Lee Spring Co., 353 Classon Av., B'klyn, N. Y.
Manross (F. N.) & Sons, Forestville, Conn.
Peck Spring Co., Plainville, Conn.
Raymond Mfg. Co., Corry, Pa.
Reliance Spring & Mfg. Co., 238 40th, B'klyn, N. Y.
Springfield Spring Co., Springfield, O.
Trenton Spring Mattress Co., Trenton, N. J.
Tuck Mfg. Co., Brockton, Mass.
Union Spring & Mfg. Co., New Kensington, Pa.
Washburn Wire Co., Phillipsdale, R. I.
Wickwire Spencer Steel Co., Inc., 41 E. 42d, New York, N. Y.
Wing (Chas.) Co., Amesbury, Mass.
Yost Superior Co., Springfield, O.

SPRINGS, Spiral—See Springs, Small

SPRINGS, Upholstery

American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
Bridgeport Chain & Mfg. Co., Bridgeport, Conn. "Miller"
Cleveland Wire Spring Co., Cleveland, O.
Cuyahoga Spring Co., Cleveland, O.
D'Arcy Spring Co., Kalamazoo, Mich.
Jackson Cushion Spring Co., Jackson, Mich.
Lewis-Weller Mfg. Co., Utica, N. Y.
Miller & Van Winkle, 18 Bridge, Brooklyn, N. Y.
National Spring & Wire Co., Grand Rapids, Mich.
New York Wire & Spring Co., 588 Washington, New York, N. Y.
Premier Spring Bed Co., San Francisco, Cal.
Schwing (R. I.) Co., Plaquemine, La.
Snell (Chas. W.) Co., Chicago, Ill.
Staples & Hanford Co., Newburgh, N. Y.
Trenton Spring Mattress Co., Trenton, N. J.
Vincent-Alward Co., Kenosha, Wis.

SPRINGS, Valve, Engine

(See also Springs, Machinery or Coil)

D'Arcy Spring Co., Kalamazoo, Mich.
Hill-Smith Metal Goods Co., Boston, Mass.
Hunter Pressed Steel Co., Lansdale, Pa.
Nelson (A.) Mfg. Co., Chicago, Ill.
Peck Spring Co., Plainville, Conn.
Raymond Mfg. Co., Corry, Pa.
U. S. Metal Goods Co., Cleveland, O.
Yost Superior Co., Springfield, O.

SPRINGS, Window

Cuyahoga Spring Co., Cleveland, O.
Dunbar Bros. Co., Bristol, Conn. "Dunbar Springs"
Hunter Pressed Steel Co., Lansdale, Pa.
Miller & Van Winkle, 18 Bridge, B'klyn, N. Y.
Stanley Wks., New Britain, Conn. "Jenk's," "Sweet's"
Tolman, I. W., Worcester, Mass. "Spiral"
Wickwire Spencer Steel Co., Inc., 41 E. 42d, New York, N. Y.

SPRINGS, Wire—See kind desired under Springs

SPRINKLERS, Clothes

Aluminum & Metal Products Corp., Buffalo, N. Y. "Magic"
Aluminum Goods Mfg. Co., Manitowoc, Wis. (Bottle)
Elyria Specialty Co., Elyria, O.
Imperial Metal Mfg. Corp., 138-01 Queens Blvd., Long Island City, N. Y.
Keystone Brass & Rubber Co., Phila., Pa. (Rubber)
Kreamer (A.), Inc., 307 Kent, B'klyn, N. Y.
National Enameling & Stamping Co., Milwaukee, Wis.
Washburn Company, Worcester, Mass.

SPRINKLERS, Lawn

Adams Co., Dubuque, Ia.
Allen (W. D.) Mfg. Co., Chicago, Ill. "Ajax," "Aetna," "Anaconda," "Australian," "Baby King," "Bird Bath," "Blake," "Buckeye," "Busy," "C.B.G.," "California," "Chicago," "Colorado," "Cyclone," "Dew Drop," "Dixie," "Dollar," "Eureka," "Evanston," "Garden City," "Hartford," "Mayflower," "Midget," "Meng," "Pluvius," "Porkside," "Preston," "Putting Green," "Red Top," "Ring," "Sunshine," "Surprise," "Turbine," "Twentieth Century," "Two-In-One," "Universal," "Victor," "Yankee," "Zenith"
Alsteel Mfg. Co., Battle Creek, Mich. "Rain Drop," "Rotary"
American Foundry & Mfg. Co., St. Louis, Mo. "Cactus," "Japanese," "National," "Pacific," "Park"
Armstrong Appliance Corp., Huntington, W. Va. "Aero Mist," "Fountain," "Half-Fountain"
B. & J. Mfg. Co., Springfield, O. "Duplex," "Fan Spray," "Merit," "Saucer Spray," "Twirlo"
Beardsley & Wolcott Mfg. Co., Waterville, Conn. "Geyser," "Niagara," "Wilwear," "Yosemite"
Beaton & Cadwell Mfg. Co., New Britain, Conn. "Gem"
Big Square Sprinkler Co., Spokane, Wash. (Also Overhead and Underground Systems)
Brooks (Jno. A.), Inc., Detroit, Mich. "Rains only Rival" (Also Underground)
Brown (E. C.) Co., Rochester, N. Y. "Whirling Showers"
Buckner Mfg. Co., Fresno, Cal. "Golf King," "Shimmy"
Bullock Mfg. Associates, Div. of Parker Wire Goods Co., Worcester, Mass.
Cadwallader, Thos., Salem, O. "Champion"
Chicago Flexible Shaft Co., Chicago, Ill. "Rain King"
Clark Mfg. Co., Phila., Pa. "3 Unit Styx," "Rainbow," "Styx"
Dayton Irrigation Co., Dayton, O. "Golf General," "Greenway," "Junior," "Master," "Rainstorm"
Deming Co., Salem, O. "Arko," "Belfont," "Hit," "Success"
Dennis (W. J.) & Co., Chicago, Ill.
Detroit Lead Pipe Works, Detroit, Mich.
Diamond Rubber Co., Akron, O. "Handi-Spray," "Rain Spray"
Double Rotary Sprinkler Co., Kansas City, Mo.
Duo-Utensils Co., St. Louis, Mo. "Handy"
Elkart Brass Mfg. Co., Elkhart, Ind. "Hoosier"
Gee (H. L.) Mfg. Co., Beverly Hills, Cal.
Goodrich (B. F.) Rubber Co., Akron, O. "Multi-spray"
Hadden Automatic Sprinkler Co., Los Angeles, Cal.
Hamilton Metal Products Co., Hamilton, O. "Climax"
Haydenville Co., Haydenville, Mass.
Jones (M. D.) Co., Boston, Mass.
Keystone Brass & Rubber Co., Phila., Pa.
Krahn Mfg. Co., Milwaukee, Wis.
Lawn Equipment Co., So. Norwalk, Conn. "Leco"
Leahy Mfg. Co., Los Angeles, Cal.
Leyse Aluminum Co., Kewaunee, Wis. "Priscilla"
Littlestown Hdw. & Fdry. Co., Littlestown, Pa.
Madewell Mfg. Co., Oakland, Cal.
March Automatic Irrigation Co., Muskegon, Mich. "Rainmaker"
National Brass Co., Grand Rapids, Mich. "Essential"
Nelson (L. R.) Mfg. Co., Peoria, Ill. "Bird," "Crescent," "Cricket," "Crown," "Flaring Rose," "Handy," "Jewel," "Lark" (Golf), "Rotary," "Silver Spray," "Square Fountain," "Tee," "Whirling Fairy," "Whiz"
Neumeyer (H. F.) & Son, Macungie, Pa. "New"
Noera Mfg. Co., Waterbury, Conn. "Waterbury"
Parker Wire Goods Co., Worcester, Mass. "Eureka"
Pasadena Sprinkler Co., Pasadena, Cal.
Peck Bros. & Co., New Haven, Conn.
Pennsylvania Lawn Mower Wks., Inc., Primos, Del. Co., Pa.
Peoria Can Co., Peoria, Ill.
Plomb Tool Co., Los Angeles, Cal. (Fan-Style)
Ramsey Bros. Mfg. Co., Toledo, O. "Supreme"
Redlands Mfg. Co., Upland, Cal.
R. I. P. Company, Jacksonville, Fla. "Master Rainmaker"
Roberts Brass Mfg. Co., Detroit, Mich. "Rain"
Rose (Frank) Mfg. Co., Hasting, Neb. "Hastings"
Ross Sprinkler Co., Pasadena, Cal.
Royal Mfg. Co., Fort Wayne, Ind. "Royal Mystifier"
Schlangen Mfg. Co., Chicago, Ill. "Belmont," "Carnical," "Elmore," "Fantan," "Fountain," "Irving Park," "Neptune," "Paragon," "Reliance," "Rex," "Rose"
Scovill Mfg. Co., Waterbury, Conn. "Sprinklemist"
Sherman (H. B.) Mfg. Co., Battle Creek, Mich. "Duo Nozzle," "Sherm-Swan"
Smith (D. B.) & Co., Utica, N. Y. "Evergreen"
Spray Eng'g Co., Boston, Mass. "Jack-in-the-Box," "Young Fountain"
Staley Mfg. Corp., Columbus, Ind.
Star Brass Works, Chicago, Ill.
Stearns (E. C.) & Co., Syracuse, N. Y. "Stearns Ecsco"
Street & Kent Mfg. Co., Chicago, Ill.
Stuber & Kuck Co., Peoria, Ill. "Perfect"
Thompson Mfg. Co., Los Angeles, Cal. "Fan," "Fountain," "Imperial," "Junior," "Parkway Fan," "Peerless," "Premier," "Rose," "Shower," "Simplex," "Spike Fan," "Twin Hose" (Underground)
Tillinghast (B. C.) Rubber Co., Inc., Phila., Pa.
Triple Lawn Shower, Detroit, Mich.
Turner Brass Wks., Sycamore, Ill.
Twenty Purpose Sprinkler-Filler Co., Peoria, Ill.
Village Blacksmith Folks, Watertown, Wis.
Wilgus Mfg. Co., Los Angeles, Cal.
X-L Mfg. Co., Chicago, Ill. "Evenspread," "5 in 1," "Hydro Spray"

SPRINKLING CANS—See Pots, Watering; also Sprinklers, Lawn

SPRINKLING STANDS—See Stands, Sprinkler

SPROCKET CHAIN—See Chain, Sprocket

SPROCKETS, Bicycle

Baldwin Chain & Mfg. Co., Worcester, Mass.
Crosby Co., Buffalo, N. Y.
Diamond Chain & Mfg. Co., Indianapolis, Ind.
Grant-Lees Gear Co., Cleveland, O.
Great Western Co., La Porte, Ind.
Harris & Reed Mfg. Co., Chicago, Ill.
Hydraulic Pressed Steel Co., Cleveland, O.
Parish & Bingham Co., Cleveland, O.

SPROUTERS, Oat, Poultry Feed

Beatrice Steel Tank Mfg. Co., Beatrice, Neb. "Nu-Way"
Close-To-Nature Co., Colfax, Ia.
Collins, W. H., 445 Greenwich, New York, N. Y.
Des Moines Incubator Co., Des Moines, Ia. "Successful"
Drew Line Co., Fort Atkinson, Wis.
Hall Mfg. Co., Cedar Rapids, Ia.
Hoeft & Co., Inc., North Chicago, Ill. "Moe's"
Hudson (H. D.) Mfg. Co., Chicago, Ill.
James Mfg. Co., Fort Atkinson, Wis. "Jamesway"
Miller (J. W.) Co., Rockford, Ill. "Ideal"
Mit-Shel Stamping Mfg. Co., Quincy, Ill.
Oakes Mfg. Co., Tipton, Ind.
Putnam (I.), Inc., Elmira, N. Y.
Reliable Incubator & Brooder Co., Quincy, Ill.
Starline, Inc., Harvard, Ill.
Vac Mfg. Co., Monmouth, Ill.

SQUARE and BIT LEVELS—See Levels, Bit and Square

SQUARE NUTS—See Nuts, Square

SQUARE WASHERS—See Washers, Square

SQUARES, Bevel

Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Hart (H. C.) Mfg. Co., Unionville, Conn.
Stanley Wks., New Britain, Conn.
Starrett (L. S.) Co., Athol, Mass.

SQUARES, Caliper

Brown & Sharpe Mfg. Co., Providence, R. I.
Starrett (L. S.) Co., Athol, Mass.

SQUARES, Carpenters'—See type desired, under Squares

SQUARES, Center

Brown & Sharpe Mfg. Co., Providence, R. I.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Starrett (L. S.) Co., Athol, Mass.

SQUARES, Combination

Brown & Sharpe Mfg. Co., Providence, R. I.
Lufkin Rule Co., Saginaw, Mich.
Starrett (L. S.) Co., Athol, Mass.

SQUARES, Framing

Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Sargent & Co., New Haven, Conn.
Southington Hdw. Co., Southington, Conn.
Taintor & Co., Elizabeth, N. J.
Topp (G. A.) & Co., Indianapolis, Ind.

SQUARES, Glass Cutters'

Lufkin Rule Co., Saginaw, Mich. (L & T)

SQUARES, Iron and Steel

Brown & Sharpe Mfg. Co., Providence, R. I.
Columbia Steel Co., San Francisco, Cal.
Forsyth Metal Goods Co., Inc., East Aurora, N. Y.
Iron Trade Products Co., Pittsburgh, Pa.
Lufkin Rule Co., Saginaw, Mich.
Nicholls Mfg. Co., Ottumwa, Ia. "Eureka"
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Sargent & Co., New Haven, Conn.
Simplex Tool Co., Woonsocket, R. I.
Southington Hdw. Co., Southington, Conn. "Aetna"
Standard Steel & Wire Co., Chicago, Ill.
Stanley Wks., New Britain, Conn.
Starrett (L. S.) Co., Athol, Mass.
Union Tool Co., Orange, Mass.
Washburn Company, Worcester, Mass.

SQUARES, Machinists'

Brown & Sharpe Mfg. Co., Providence, R. I.
Lufkin Rule Co., Saginaw, Mich.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Starrett (L. S.) Co., Athol, Mass.
Union Tool Co., Orange, Mass.

SQUARES, Mitre—See Squares, Try and Mitre

SQUARES, STEEL—See Squares, Iron and Steel

SQUARES, Try and Mitre

Atkins (E. C.) & Co., Indianapolis, Ind.
Breul, Fred G., Bridgeport, Conn. "Fox's"
Brown & Sharpe Mfg. Co., Providence, R. I.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Lufkin Rule Co., Saginaw, Mich. "Universal"
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Rose (Wm.) Bros., Sharon Hill, Pa.
Southington Hdw. Co., Southington, Conn.
Stanley Wks., New Britain, Conn.
Starrett (L. S.) Co., Athol, Mass.

SQUASH BALLS—See Balls, Squash

SQUASH RACKETS—See Rackets, Squash

SQUEEGEES—See Cleaners, Window

SQUEEZERS, Lemon

American Aluminum Ware Co., 374 Jeliff Av., Newark, N. J. "Peerless"
Arcade Mfg. Co., Freeport, Ill. "Champion," "Drum Pattern," "Perfect," "Union," "X-Ray"
Cambridge Glass Co., Cambridge, O.
Canton Glass Co., Marion, Ind. "Manny"
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Giles & Nielsen Nickel Wks., Troy, N. Y. "Clipper"
Hart (H. C.) Mfg. Co., Unionville, Conn. "Easy"
Hills, Edwin, Plainville, Conn.
Holmes Mfg. Co., Los Angeles, Cal. "California"
Indiana Glass Co., Dunkirk, Ind.
Landers, Frary & Clark, New Britain, Conn. "Crown," "L. F. C.," "Little Giant"
Marsden (J. E.) Glass Works, Inc., Ambler, Pa.
Nicol & Co., Chicago, Ill. "World's Fair"
Parker (Chas.) Co., Meriden, Conn.
Redlich Mfg. Co., Chicago, Ill.
Richardi & Bechtold, Bellaire, Mich.
Sommer (John) Faucet Co., 32 Morris Av., Newark, N. J.
Stover Mfg. & Engine Co., Freeport, Ill.
Taplin Mfg. Co., New Britain, Conn. "Victor"
Tucker & Dorsey Mfg. Co., Indianapolis, Ind.
United States Glass Co., Pittsburgh, Pa.
Washburn Company, Worcester, Mass. "Lemon-Aider"
Williamson (C. T.) Wire Novelty Co., Newark, N. J. (Lime)
Wrightsville Hdw. Co., Wrightsville, Pa. "American Queen," "Boss," "Brighton," "Crescent," "Crystal," "Diamond," "Full Moon," "Queen," "Sterling," "Union"

SQUEEZERS, Rivet

Porter, H. K., Inc., Everett, Mass.

SQUIDS

Buel (J. T.) Co., Saratoga Springs, N. Y.
Enterprise Mfg. Co., Dept. HA, Akron, O. "Pflueger Fan-Tail"

STABLE BROOMS—See Brooms, Street and Stable

STABLE GUTTER MANGER DRAINERS — See Drainers, Manger, Stable Gutter

STACKERS, Coaster Wagon—See under Fixtures, Display, Hardware

STAFFS, Bull, Leading

(See also Leaders, Cattle)

James Mfg. Co., Fort Atkinson, Wis.
Libbey (C. A.) Co., Oshkosh, Wis.
Ney Mfg. Co., Canton, O.
Scully, Jas., Pomeroy, Pa. "Keystone"
Smith (Seymour) & Son, Inc., Oakville, Conn.

STAGE HARDWARE—See Theatrical Stage Rigging

STAGING BRACKETS—See Brackets, Staging

STAINLESS KNIVES—See Knives, Stainless; also Ware, Table, Flat, Steel, Stainless

STAINLESS STEEL—See Steel, Stainless

STAINLESS STEEL BALLS—See Balls, Steel, Bronze, Monel Metal, Stainless Steel

STAINLESS STEEL COOKING UTENSILS—See Utensils Cooking, Stainless Steel

STAINLESS STEEL FLAT TABLE WARE—See Ware, Table, Flat, Steel, Stainless

STAINLESS STEEL SILVER PLATER CUTLERY —See Cutlery, Table, Steel, Stainless, Silver Plated

STAINS, Oil

(See also Stains, Varnish; also Paints; also Varnishes)

Acme White Lead & Color Wks., Detroit, Mich.
Adams & Eltinge Co., Chicago, Ill. "Ad-el-ite"
Armstrong Paint & Varnish Wks., Chicago, Ill.
Atlantic Drier & Varnish Co., Phila., Pa.
Berry Bros., Detroit, Mich.
Boston Varnish Co., Boston, Mass. "Kyanize"
Bradford (Jas.) Co., Wilmington, Del.
Carbola Chemical Co., Natural Bridge, N. Y.
Central Paint & Varnish Works, 69 Prospect, B'klyn, N. Y.
Day (Jas. B.) & Co., Chicago, Ill. "Tru-Tone"
Eagle-Picher Lead Co., Cincinnati, O.
Felton-Sibley & Co., Inc., Phila., Pa. "Lava-Var"
Foy Paint Co., Inc., Cincinnati, (Norwood), O.
Globe Paint Co., Williamsport, Pa.
Hazard Lead Wks., Hazardville, Conn.
Lowe Bros. Co., Dayton, O.
Marietta Paint & Color Co., Marietta, O.
McDougall-Butler Co., Buffalo, N. Y.
Moore (Benj.) & Co., 511 Canal, New York, N. Y.
Morgan Co., The, Peoria, Ill.
Mound City Paint & Color Co., St. Louis, Mo. "Horse Shoe"
Pittsburgh Plate Glass Co., Milwaukee, Wis. "Pitcairn"
Pratt & Lambert, Inc., Buffalo, N. Y.
Sherwin-Williams Co., Cleveland, O.
Standard Plate Glass Co., Pittsburgh, Pa. "So-E-Zy"
Standard Varnish Wks., 386 4th Av., New York, N. Y. "Klear-Tone"
Tar Products Corp., Providence, R. I.
Woolsey (C. A.) Paint & Color Co., 500 Grand, Jersey City, N. J.

STAINS, Varnish

Atlantic Drier & Varnish Co., Phila., Pa. "Tenibac," "Varnamel"
Billings-Chapin Co., Cleveland, O.
Boydell Bros. White Lead & Color Co., Detroit, Mich.
Carbolineum Wood Preserving Co., Milwaukee, Wis. (Wood)
Carpenter-Morton Co., Boston, Mass. "Carmote"
Central Paint & Varnish Works, 69 Prospect, B'klyn, N. Y. "Cepaco"
Chicago Paint Wks., Chicago, Ill. "Oriental Lac"
Cleveland Varnish Co., Cleveland, O.
Con-Ferro Paint & Varnish Co., St. Louis, Mo. "Bestex," "Eureka," "Our Own"
Coolidge (F. J.) & Sons, Atlanta, Ga.
Dozier & Gay Paint Co., Jackson, Fla.
Du Pont (E. I.) de Nemours & Co., Inc., Phila., Pa.
Felton-Sibley & Co., Inc., Phila., Pa., "Lava-Var"
Foy Paint Co., Inc., Cincinnati, (Norwood), O.
Fuller (W. P.) & Co., Inc., San Francisco, Cal.
Glidden Co., Cleveland, O. "Jap-A-Lac"
Hazard Lead Wks., Hazardville, Conn.
Louisville Varnish Co., Louisville, Ky. "Fixall," "Lucaseal," "Lucaspar," "Perfect"
Lucas (John) & Co., Inc., Phila., Pa.
McDougall-Butler Co., Buffalo, N. Y.
Morgan Co., Peoria, Ill.
Norfolk Paint & Varnish Co., Norfolk Downs, Mass.
O'Brien Varnish Co., South Bend, Ind.
Parrott Varnish Co., Inc., Bridgeport, Conn. "Par-Var"
Patterson-Sargent Co., Cleveland, O. "B.P.S."
Pittsburgh Plate Glass Co., Milwaukee, Wis. "Pitcairn"
Republic Varnish Co., 216 Parkhurst, Newark, N. J.
Sapolin Co., 229 E. 42d, New York, N. Y.
Sherwin-Williams Co., Cleveland, O. "Brighten-Up," "Flo-Lac"
Standard Chemical Works, Inc., Reading, Pa.
Standard Plate Glass Co., Pittsburgh, Pa. "So-E-Zy"
Standard Varnish Wks., 386 4th Av., New York, N. Y. "Koverfloor"
Thibaut & Walker Co., The, 9th & Vernon Avs., Long Island City, N. Y. "Ex-In-O-Lite"
Truscon Laboratories, Detroit, Mich.
Valentine & Co., 386 4th Av., New York, N. Y. "Super Valspar," "Valspar"
Woolsey (C. A.) Paint & Color Co., 500 Grand, Jersey City, N. J.

STAIR BUILDERS' SAWS—See Saws, Stair Builders'

STAIR CORNERS—See Corners, Stair

STAIR NOSINGS—See Nosings, Stair

STAIR RAIL BRACKETS—See Brackets Hand & Stair Rail

STAIR RODS—See Rods, Stair

STAIR TREADS—See Treads, Stair

STAIRS, Iron

Badger Wire & Iron Wks., Milwaukee, Wis.
Logan Co., Louisville, Ky.
Meyers (Fred J.) Mfg. Co., Hamilton, O.
Price-Evans Foundry Co., Chattanooga, Tenn.
Western Steel Products Co., Duluth, Minn.

STAKES, Cattle

Hess (Chas.) Co., 49-14 Metropolitan Av., B'klyn, N. Y.

STAKES, Grub—See Grub Stakes

STAKES, Nursery and Garden

Bogert & Hopper, 223 Varick, New York, N. Y.
Boyle Mfg. Co., Los Angeles, Cal. "Boyco"
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Handle & Excelsior Co., Picture Rocks, Pa.
Holden (A. S.), Inc., Cleveland, O.
Michigan Wire Goods Co., Niles, Mich. "Androck"
Page Steel & Wire Co., Monessen, Pa.
Roeblings (John A.) Sons Co., Trenton, N. J.
Stanley Wks., New Britain, Conn.

STAKES, Slaters'—See Tools, Roofing

STAKES, Tent

Bogert & Hopper, 223 Varick, New York, N. Y.
Crook, Son & Co., Hicksville, O.
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Imperial Bit & Snap Co., Racine, Wis.
McGrew Machine Co., Lincoln, Neb. "Lincoln"
Mesker Bros. Iron Co., St. Louis, Mo.
North Wales Planing Mill, North Wales, Pa.
Piqua Handle & Mfg. Co., Piqua, O.
Pratt (Wm. E.) Mfg. Co., Chicago, Ill.
Premax Products, Inc., Niagara Falls, N. Y.
Sommer (John) Faucet Co., Morris Av., Newark, N. J.
Stevenson Mfg. Co., South Bend, Ind.
Tucker Duck & Rubber Co., Ft. Smith, Ark.
Woolwine Metal Products Co., Los Angeles, Cal.

STALLS and STANCHIONS, Cow and Bull

Clay Equipment Corp., 126 Clay Av., Cedar Falls, Ia. "Hingeless"
Continental Steel Products Co., Youngstown, O. "Valley"
Crumb, Wallace R., Forestville, Conn.
Drew Line Co., Fort Atkinson, Wis.
Franklin Equipment Co., Monticello, Ia.
Glor Bros. & Willis Mfg. Co., Attica, N. Y. "New Modern"
Hall Mfg. Co., Cedar Rapids, Ia.
Hudson (H. D.) Mfg. Co., Chicago, Ill. "Champion," "Hermit," "Libbey," "Right Way," "Strickler"
James Mfg. Co., Fort Atkinson, Wis. "Sanitary"
Kalamazoo Tank & Silo Co., Kalamazoo, Mich.
Lincoln Barn Equipment Co., Lincoln, Neb. "Klinzing"
Louden Mchy. Co., Fairfield, Ia.
Mast, Foos & Co., Springfield, O. "Buckeye"
Milwaukee Hay Tool Co., Milwaukee, Wis. "Leader"
Mitchell Mfg. Co., Milwaukee, Wis.
Ney Mfg. Co., Canton, O. "Model Tie"
Olson Mfg. Co., Albert Lea, Minn.
Porter (J. E.) Co., Ottawa, Ill.
Rassmann (F.) Mfg. Co., Beaver Dam, Wis. "Simplex"
Rochester Barn Equipment Co., Rochester, N. Y.
Starline, Inc., Harvard, Ill. "Giant"
West Bend Equipment Co., West Bend, Wis.

STAMPED WARE—See Ware, Stamped

STAMPINGS, Metal

Acme Mfg. & Gasket Co., Phila., Pa.
American Nut & Bolt Fastener Co., Pittsburgh, Pa.
American Tube & Stamping Co., Stanley Wks., Bridgeport, Conn.
Auto Sun Products Co., Cincinnati, O.
Bay State Stamping Co., Worcester, Mass.
Bellaire Enamel Co., Bellaire, O.
Bettcher Stamping & Mfg. Co., Cleveland, O.
Braun (J. G.) Co., Chicago, Ill. (Ornaments)
Bridgeport Chain & Mfg. Co., Bridgeport, Conn.
Bronson (Homer D.) Co., Beacon Falls, Conn.
Brooks (E. J.) Co., 164 N. 13th, Newark, N. J.
Champion Hdw. Co., Geneva, O.
Cook (H. C.) Co., Ansonia, Conn.
Dickey Grabler Co., Cleveland, O.
Economy Mfg. Co., Phila., Pa.
Ely Mfg. Co., Girard, Pa.

STAMPINGS, Metal (Continued)

Edwards Mfg. Co., Cincinnati, O. "Edmanco"
Fischer (Chas.) Spring Co., 240 Kent Av., B'klyn, N. Y.
Forg (Peter) Mfg. Co., Somerville, Mass.
Gasket Supply Co., Red Hill, Pa.
Gibson (Wm. D.) Co., Chicago, Ill.
Grifford Engine Co., Lansing, Mich.
Huebel Mfg. Co., 103 Monroe, Newark, N. J.
Hunter Pressed Steel Co., Lansdale, Pa.
Ideal Can Co., Everett, Mass.
Kales Stamping Co., Detroit, Mich.
Larson Tool & Stpg. Co., Attleboro, Mass.
LeCompte Mfg. Co., 280 Badger Av., Newark, N. J.
Lidseen (Gustave), Inc., Chicago, Ill.
McCormick Bros. Co., Albany, Ind.
Master Products Co., Cleveland, O.
Nagel-Chase Mfg. Co., Chicago, Ill.
Northwestern Mail Box Co., St. Louis, Mo. (Light Job)
Oakes Products Corp., N. Chicago, Ill.
Oakes-Swenson Co., Indianapolis, Ind.
Oxford Tool Co., Phila., Pa.
Parker Wire Goods Co., Worcester, Mass.
Patton-MacGuyer Co., Providence, R. I.
Pheoll Mfg. Co., Chicago, Ill.
Proos Mfg. Co., Grand Rapids, Mich.
Reichert Float & Mfg. Co., Toledo, O.
Stanley Wks., New Britain, Conn.
Robertson (W. F.) Steel & Iron Co., Cincinnati, O.
Stimpson (Edwin B.) Co., 68 Franklin Av., B'klyn, N. Y.
Syracuse Stamping Co., Inc., Syracuse, N. Y.
Toledo Pressed Steel Co., Toledo, O.
Triumph Trap Co., Oneida, N. Y.
United Screw & Bolt Corp., Cleveland, O.
Veeder-Root, Inc., Hartford, Conn.
Western Metal Spinning Wks., Chicago, Ill.
Wrought Hdw. & Forging Co., Phila., Pa.

STAMPS, Log Hammer and Inspection

Hoggson & Pettis Mfg. Co., New Haven, Conn.
Noble & Westbrook Mfg. Co., East Hartford, Conn.

STAMPS, Steel

Battery Equipment & Supply Co., Chicago, Ill. "Besco"
Bayerdorffer, M., Huguenot Park, Staten Island, N. Y. "Numberall"
Brooks (E. J.) Co., 164 N. 13th, Newark, N. J.
Chandler Co., Springfield, Mass.
Co-operative Stamp Wks., 658 Fairview Av., B'klyn, N. Y.
Dutton (C. H.) Steel Stamp Co., Hartford, Conn.
Hoggson & Pettis Mfg. Co., New Haven, Conn.
Knight (H. W.) & Son, Seneca Falls, N. Y. (Name)
Murdock Stamp & Specialty Co., Cincinnati, O.
Noble & Westbrook Mfg. Co., East Hartford, Conn.
Paul & Beekman Mfg. Co., Phila., Pa.
Special Hdw. Corp., Medford, N. Y.
Stafford (N.) Co., 53d & 1st Av., B'klyn, N. Y.
Superior Seal & Stamp Co., Detroit, Mich.

STAMPS, Time

Automatic Time Stamp Co., Boston, Mass.
Calculagraph Co., 50 Church, New York, N. Y.
Follett Time Recording Co., 217 High, Newark, N. J.
Joslin (A. D.) Mfg. Co., Chicago, Ill. "Cosmos," "Eclipse"
Stafford (N.) Co., 53d & 1st Av., B'klyn, N. Y.

STANCHIONS, COW AND BULL—See Stalls and Stanchions, Cow and Bull

STANDARDS, Lamp

Des Moines Foundry & Machine Co., Des Moines, Ia.
Stewart Iron Wks. Co., 814 Stewart Block, Cincinnati, Ohio

STANDS, Boiler, Range

Bignall Co., Medina, N. Y.
Central Foundry Co., 420 Lexington, New York, N. Y. "Lockwood," "Murphy," "Universal"
Essex Foundry, Murray St., Newark, N. J.
Fleck Bros. Co., Phila., Pa.
Haines, Jones & Cadbury Co., Phila., Pa.
Hedes-Walsh-Weidner Co., Chattanooga, Tenn.
Hugo Mfg. Co., Duluth, Minn. "Hawks," "Hawks Red Tops"
Kupferle (John C.) Foundry Co., St. Louis, Mo.
Mechanicsville Specialty Supply Mfg. Co., Mechanicsville, N. Y.
Modern Iron Wks., Quincy, Ill. "M. I. W."
Odin Stove Mfg. Co., Erie, Pa.
Scaife (Wm. B.) Sons Co., Pittsburgh, Pa.
Swett (A. L.) Iron Wks., Medina, N. Y.

STANDS, Cage, Bird

Faries Mfg. Co., Decatur, Ill.
Hendryx (Andrew B.) Co., New Haven, Conn.
Stewart Iron Wks. Co., Inc., 814 Stewart Block, Cincinnati, O.

STANDS, Calender

Grey Iron Casting Co., Mt. Joy, Pa.
Wrightsville Hdw. Co., Wrightsville, Pa.

STANDS, Christmas Tree—See Holders, Christmas Tree

STANDS, Doll

Butler Doll Stand Co., Oak Park, Ill.
Globe Co., Sheboygan, Wis. "Ideal"
Timberlake (J. B.) & Sons, Jackson, Mich.

STANDS and LASTS, Cobblers'—See Lasts and Stands, Cobblers

STANDS, Pump

Myers (F. E.) & Bro. Co., 902 Church, Ashland, O. "CogGear"
Sterling Fdry. Co., Sterling, Ill. "Security"

STANDS, RACKS and HOLDERS, Bicycle

Chicago Cycle Supply Co., Chicago, Ill.
Elyea-Austell Co., Atlanta, Ga.
Ero Mfg. Co., Chicago, Ill.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Hart Mfg. Co., Boston, Mass.
Johnson's (Iver) Arms & Cycle Wks., Fitchburg, Mass.
New York Nickel Plating & Mfg. Co., 327 E. 63d, New York, N. Y.
Wald Mfg. Co., Sheboygan, Wis.

STANDS, Sad Iron

Bunker-Clancey Mfg. Co., Kansas City, Mo. "B-C"
Gray Iron Foundry Co., Reading, Pa.
Grey Iron Casting Co., Mt. Joy, Pa.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Parker Wire Goods Co., Worcester, Mass.
Stover Mfg. & Engine Co., Freeport, Ill.
United States Lock & Hdw. Co., Columbia, Pa.
Wrightsville Hdw Co., Wrightsville, Pa.
Youngstown Pressed Steel Co., Youngstown, Pa.

STANDS, Skate Sharpening—See Skate Sharpening Stands

STANDS, Sprinkling

Imperial Bit & Snap Co., Racine, Wis. "Imperial"

STANDS, Vise, Portable

American Pipe Tool Co., Chicago, Ill.
Armstrong Mfg. Co, Bridgeport, Conn.
Graves (W. L), Hatfield, Mass
Martin (H P.) & Sons, Owensboro, Ky.
New Britain Mach. Co., New Britain, Conn.
Ridge Tool Co., Elyria, O. "Ridgid"
Western Wire Products Co., St. Louis, Mo. "Handy-Andy"

STANDS, Wash Tub

Proos Mfg. Co., Grand Rapids, Mich.

STAPLE DRIVERS—See Drivers, Staple

STAPLE PULLERS—See Pullers, Staple

STAPLES, Bar

Hess (Chas.) Co., 49-14 Metropolitan Av., B'klyn, N. Y.
National Mfg. Co., Sterling, Ill.

STAPLES and HASPS—See Hasps and Staples

STAPLES and HOOKS—See Hooks and Staples

STAPLES, Electricians'—See Staples, Insulated

STAPLES, Fence

American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
Atlantic Steel Co., Atlanta, Ga. "Dixisteel"
Atlas Tack Corp., Fairhaven, Mass.
Belfont Steel & Wire Co., Ironton, O.
Gulf States Steel Co., Birmingham, Ala. "Gulfsteel"
Hess (Chas.) Co., 49-14 Metropolitan Av., B'klyn, N. Y.
Indiana Wire & Steel Co., Muncie, Ind.
Interstate Iron & Steel Co., Chicago, Ill. "Swastika"
Janesville Barb Wire Co., Janesville, Wis.
Jones & Laughlin Steel Co., Ross St., Pittsburgh, Pa.
Keystone Steel & Wire Co., Peoria, Ill.
Larson (Chas. O.) Sterling, Ill.
Lawrence Bros., Sterling, Ill.
Mid-States Steel & Wire Co., Crawfordsville, Ind.
Northwestern Barb Wire Co., Inc., Sterling, Ill.
Norton Iron Wks., Ashland, Ky.
Parker Wire Goods Co., Worcester, Mass.
Pittsburgh Steel Co., Union Trust Bldg., Pittsburgh, Pa.
Robertson (W. F.) Steel & Iron Co., Cincinnati, O.
Stanley Wks., New Britain, Conn.
Titchener (E. H.) & Co., Binghamton, N. Y.
Wheeling Corrugating Co., Wheeling, W. Va.
Wheeling Steel Corp., Wheeling, W. Va. "Wheeling"
Wickwire Bros., Cortland, N. Y.
Wickwire Spencer Steel Co., Inc., 41 E. 42d, New York, N. Y.
Youngstown Sheet & Tube Co., Youngstown, O.

STAPLES, Insulated

Blake Signal & Mfg. Co., Boston, Mass.
Delaware Hard Fibre Co., Wilmington, Del.
Hillwood Mfg. Co., Cleveland, O.
Holland Mfg. Co., Baltimore, Md.
Penn Tack Co., Norristown, Pa
Rhodes (M. M.) & Son Co., Taunton, Mass.
Robertson (W. F.) Steel & Iron Co., Cincinnati, O.

STAPLES, Nutted

Clark Bros. Bolt Co., Noble Road, Milldale, Conn.
Harvey Spring & Forging Co., Racine, Wis.
Lamson & Sessions Co., Cleveland, O.
Oliver Iron & Steel Co., Pittsburgh, Pa.
Reno Mfg. Co., Erie, Pa.
Upson Bolt Co., Cleveland, O.

STAPLES, Wagon Box

Burgess-Norton Mfg. Co., Geneva, Ill.
Clapp (E. D.) Mfg. Co., Auburn, N. Y.
Eberhard Mfg. Co., Cleveland, O.
Geyer Mfg. Co., Rock Falls, Ill.
Harvey Spring & Forging Co., Racine, Wis.
Titchener (E. H.) & Co., Binghamton, N. Y.
Youngstown Sheet & Tube Co., Youngstown, O.

STAPLES, Wire

Acme Staple Co., Camden, N. J.
Acme Steel Co., 2838 Archer Av., Chicago, Ill.
American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
Atlantic Wire & Metal Mfg. Co., 225 Starr, B'klyn, N. Y.
Atlantic Steel Co., Atlanta, Ga. "Dixisteel"
Atlas Tack Corp., Fairhaven, Mass.
Baker (Geo.) & Sons, Brockton, Mass.
Baur Tack Co., Indianapolis, Ind. "O-B"
Belfont Steel & Wire Co., Ironton, O.
Bethlehem Steel Co., Bethlehem, Pa.
Colorado Fuel & Iron Co., Denver, Col.
Consolidated Steel Strapping Co., Chicago, Ill.
Copperweld Steel Co., Glassport, Pa.
Eberhard Mfg. Co., 2790 Tennyson Rd., Cleveland, O.
Gaynor Mfg. Co., Bridgeport, Conn.
Gibson (Wm. D.) Co., Chicago, Ill.
Gulf States Steel Co., Birmingham, Ala.
Hess (Chas.) Co., 49-14 Metropolitan Av., B'klyn, N. Y.
Hillwood Mfg. Co., Cleveland, O.
Holland Mfg. Co., Baltimore, Md.
Illinois Nail Co., Chicago, Ill.
Independent Tack Co., Oil City, Pa.
Indiana Steel & Wire Co., Muncie, Ind.
Interstate Iron & Steel Co., Chicago, Ill.
Janesville Fence & Post Co., Janesville, Wis.
Jones & Laughlin Steel Co., Pittsburgh, Pa.
Kelly Nail & Iron Co., Ironton, O.
Keystone Steel & Wire Co., Peoria, Ill.
Kitselman Bros., Muncie, Ind.
Larson (Chas. O.) Co., Sterling, Ill.
Merritt, F. M., Penn Yan, N. Y.
Mid-States Steel & Wire Co., Crawfordsville, Ind.
National Mfg. Co., Sterling, Ill.
National Screw & Mfg. Co., Cleveland, O.
Neva-Clog Products, Inc., Bridgeport, Conn.
Northwestern Barb Wire Co., Inc., Sterling, Ill.
Norton Iron Wks., Ashland, Ky.
Page Steel & Wire Co., Monessen, Pa.
Parker Wire Goods Co., Worcester, Mass.
Penn Tack Co., Norristown, Pa.
Philadelphia Steel & Wire Co., Phila., Pa.
Pickering (R. S.) Co., Sharon Hill, Pa.
Pittsburgh Steel Co., Union Trust Bldg., Pittsburgh, Pa.
Pratt (Wm. E.) Mfg. Co., Chicago, Ill.
Robertson (W. F.) Steel & Iron Co., Cincinnati, O.
Sargent & Co., New Haven, Conn.
Shelton Tack Co., Shelton, Conn.
Stanley (Geo. W.) Co., Belleville, Ill.
Stanley Wks., New Britain, Conn.
Stimpson (Edwin B.) Co., 68 Franklin Av., B'klyn, N. Y.
Tidioute Tack & Nail Co., Tidioute, Pa.
Titchener-Diehl Co., Chicago, Ill.
Titchener (E. H.) & Co., Binghamton, N. Y.
Tower Mfg. Co., Madison, Ind.
Wheeling Corrugating Co., Wheeling, W. Va.
Wheeling Steel Corp., Wheeling, W. Va. "Wheeling"
Wickwire Bros., Cortland, N. Y.
Wickwire Spencer Steel Co., Inc., 41 E. 42d, New York, N. Y.
Wright (G. F.) Steel & Wire Co., Worcester, Mass. "Superior"
Youngstown Sheet & Tube Co., Youngstown, O.

STAR DRILLS—See Drills, Brick, Stone, Cement, Etc.

STARTERS, Bung

Redlich Mfg. Co., Chicago, Ill.
Stossel (Carl) & Sons Co., Front Royal, Va.

STARTERS, Screw

Le Dix Mfg. Co., Minneapolis, Minn. "Jiffy"

STAVE BASKETS—See Baskets, Stave

STAY ROLLERS, Barn Door—See Rollers, Stay, Barn Door

STAYS, Door

Corbin, P. & F., New Britain, Conn.
Lane Bros. Co., Poughkeepsie, N. Y.
Reading Hdw. Co., Reading, Pa.
Richards-Wilcox Mfg. Co., Aurora, Ill.
Rixson (Oscar C.) Co., Chicago, Ill.
Russell & Erwin Mfg. Co., New Britain, Conn.
Stanley Wks., New Britain, Conn.

STAYS, Fence

Cyclone Fence Co., Waukegan, Ill.
Larson (Chas. O.) Co., Sterling, Ill.
Page Steel & Wire Co., Monessen, Pa.
Washburn Company, Worcester, Mass.
Worth Wire Wks., Kokomo, Ind. "Cinch"

STAYS, Window, Casement

Casement Hdw. Co., Chicago, Ill. "Automatic Lock," "Win-Dor"
United Specialties Mfg. Co., Ltd., Richmond Hill, L. I., New York

STEAK KNIVES—See Knives, Steak

STEAK PLANKS—See Planks, Steak

STEAK POUNDERS—See Pounders, Steak

STEAM BOATS, Toy—See Boats, Toy, Mechanically Operated

STEAM BOILERS—See Boilers, Heating, Steam or Hot Water

STEAM COCKS—See Cocks, Steam

STEAM COOKERS—See Cookers, Steam

STEAM ENGINES, Toy—See Engines, Toy

STEAM FITTERS' TOOLS and SUPPLIES—See article desired

STEAM PRESSURE COOKERS—See Cookers, Steam Pressure

STEAM TRAP and BOILER COPPER FLOATS—See Floats, Copper, Steam Trap and Boiler

STEEL—See article desired; also Iron

STEEL or IRON, Angle, Channel and "T"

American Sheet Metal Wks., New Orleans, La. "Crescent"
Bethlehem Steel Co., Bethlehem, Pa.
Carnegie Steel Co., Pittsburgh, Pa. (Steel)
Dietzgen (Eugene) Co., Chicago, Ill.
General Fire Proofing Co., Youngstown, O.
Inland Steel Co., Chicago, Ill.
Interstate Iron & Steel Co., Chicago, Ill.
Jones & Laughlin Steel Co., Pittsburgh, Pa.
Logan Iron & Steel Co., Phila., Pa.
Lockhart Iron & Steel Co., McKees Rocks, Pa. "Vulcan"
Milcor Steel Co., Milwaukee, Wis.
Monarch Metal Products Co., St. Louis, Mo.
Parkersburg Iron & Steel Co., Parkersburg, W. Va.
Republic Iron & Steel Co., Youngstown, O.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Swett (A. L.) Iron Wks., Medina, N. Y. (Angle)
Truscon Steel Co., Youngstown, O. (Angle)

STEEL AXES—See Axes, Single and Double Bit, Forged Steel

STEEL BALLS—See Balls, Steel, Bronze, Monel Metal, Stainless Steel

STEEL BINS—See Bins, Steel

STEEL or IRON, Bar

Ames (W.) & Co., 417 Communipaw Av., Jersey City, N. J.
Andrews Steel Co., Newport, Ky.
Bethlehem Steel Co., Bethlehem, Pa.
Carnegie Steel Co., Pittsburgh, Pa. (Steel)
Illingsworth (John) Steel Co., Phila., Pa. "Argo"
Interstate Iron & Steel Co., Chicago, Ill.
Jones & Laughlin Steel Co., Pittsburgh, Pa.
Lackawanna Steel Co., Lackawanna, N. Y.
La Salle Steel Co., Chicago, Ill.
Lockhart Iron & Steel Co., McKees Rocks, Pa. "Vulcan"
Logan Iron & Steel Co., Burnham, Pa.
Midvale Steel & Ordnance Co., Phila., Pa.
Pardee (C.) Wks., Perth Amboy, N. J.
Reading Iron Co., Reading, Pa. (Iron)
Republic Iron & Steel Co., Youngstown, O.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
St. Louis Screw & Bolt Co., St. Louis, Mo.
Simonds Steel Co., Lockport, N. Y.
Tacony Steel Co. (Tacony), Phila., Pa.
Truscon Steel Co., Youngstown, O.
United Alloy Steel Co., Canton, O.
Universal Steel Co., Bridgeville, Pa.
Youngstown Sheet & Tube Co., Youngstown, O.

STEEL BAR CLAMPS—See Clamps, Steel Bar

STEEL BARROWS—See Wheelbarrows, All Types and Classifications

STEEL BASKETS—See Baskets, Steel

STEEL BUTTS—See Butts, Steel

STEEL, Cold Rolled Bar

American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
Columbia Steel & Shafting Co., Pittsburgh, Pa.
Compressed Steel Shafting Co., Boston, Mass.
Crucible Steel Co. of America, Pittsburgh, Pa.
Cumberland Steel Co., Cumberland, Md.
Interstate Iron & Steel Co., Chicago, Ill.
Jones & Laughlin Steel Co., Pittsburgh, Pa.
Lancaster Steel Products Corp., Lancaster, Pa.
La Salle Steel Co., Chicago, Ill.
Moltrup Steel Products Co., Beaver Falls, Pa.
National Drawn Steel Co., East Liverpool, O.
Pardee (C.) Wks., Perth Amboy, N. J.
Peerless Drawn Steel Co., Massillon, O.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Union Drawn Steel Co., Beaver Falls, Pa.
United Alloy Steel Co., Canton, O.
Witherow Steel Co., Pittsburgh, Pa.

STEEL, Cold Rolled Strip

Acme Steel Co., 2838 Archer Av., Chicago, Ill.
American Rolling Mill Co., Middletown, O.
American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
American Tube & Stamping Co., Bridgeport, Conn.
Athenia Steel Co., 135 William, New York, N. Y.
Carpenter Steel Co., Reading, Pa.
Crucible Steel Co. of America, Pittsburgh, Pa.
Elyria Iron & Steel Co., Cleveland, O.
Greer Steel Co., Dover, O.
Griffin Mfg. Co., Erie, Pa.
La Salle Steel Co., Chicago, Ill.
Lancaster Steel Products Corp., Lancaster, Pa.
Moltrup Steel Products Co., Beaver Falls, Pa.
Morris & Bailey Steel Co., Pittsburgh, Pa.
National Umbrella Frame Co., Phila., Pa.
Peerless Drawn Steel Co., Massillon, O.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Stanley Wks., New Britain, Conn.
Superior Steel Corp., Pittsburgh, Pa.
Trumbull Steel Co., Warren, O.
Weirton Steel Co., Weirton, W. Va.
West Leechburg Steel Co., Pittsburgh, Pa.
Worcester Pressed Steel Co., Worcester, Mass.

STEEL CONSTRUCTION TOYS—See Construction Toys

STEEL "D" HANDLES—See Handles, "D," Steel and Wood

STEEL DOORS—See Doors and Shutters, Steel

STEEL FERRULES—See Ferrules, Iron and Steel

STEEL FLAT TABLE WARE—See Ware, Table Flat, Steel

STEEL GARDEN BROOMS—Brooms, Garden, Steel

STEEL GATES—See Fence and Gates, Lawns

STEEL GRIDDLES—See Griddles, Iron, Steel, Etc.

STEEL HOOPS—See Hoops and Bands, Steel

STEEL HORSES—See Horses, Steel

STEEL, Hot Rolled Strip

Acme Steel Co., 2838 Archer Av., Chicago, Ill.
American Tube & Stamping Co., Stanley Wks., Bridgeport, Conn.
Elyria Iron & Steel Co., Cleveland, O.
Kalman Steel Co., Inc., Chicago, Ill.
National Pressed Steel Co., Massillon, O. "Robal"
Stanley Wks., New Britain, Conn.
Superior Steel Corp., Pittsburgh, Pa.
Trumbull Steel Co., Warren, O.
Weirton Steel Co., Weirton, W. Va.
West Leechburg Steel Co., Pittsburgh, Pa.
Worcester Pressed Steel Co., Worcester, Mass.

STEEL LADDERS—See Ladders, Steel

STEEL OVERHEAD ACTING GARAGE DOORS—See Doors, Garage, Overhead Acting, Steel or Wood

STEEL PIPE—See Pipe

STEEL POSTS—See Under Posts

STEEL, Reinforcing

American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
Kalman Steel Co., Inc., Wrigley Bldg., Chicago, Ill.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Truscon Steel Co., Youngstown, O.

STEEL RINGS—See Rings, Iron and Steel

STEEL RIVETS—See Rivets, Iron and Steel

STEEL RULES—See Rules, Steel

STEEL SASH—See Windows, Steel

STEEL SHAVINGS—See Wool, Steel

STEEL SHEETS—See Sheets, Steel

STEEL SHELVING—See Shelving, Steel

STEEL SHOT—See Shot, Steel

STEEL SHUTTERS—See Doors and Shutters, Steel

STEEL, Spring

Athenia Steel Co., 135 William, New York, N. Y.
Bethlehem Steel Co., Bethlehem, Pa.
Carnegie Steel Co., Pittsburgh, Pa.
Carpenter Steel Co., Reading, Pa.
Crucible Steel Co. of America, Pittsburgh, Pa.
Frasse Steel Wks., Hartford, Conn.
Halcomb Steel Co., Syracuse, N. Y.
Harrow Spring Co., Milwaukee, Wis.
Illinois Steel Co., Chicago, Ill.
Interstate Iron & Steel Co., Chicago, Ill.
La Salle Steel Co., Chicago, Ill.
Marlin-Rockwell Corp., 366 Madison Av., New York, N. Y.
Midvale Steel & Ordnance Co., Phila., Pa.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Tacony Steel Co. (Tacony), Phila., Pa.
United Alloy Steel Co., Canton, O. "Crucia," "Elastique"
Universal Steel Co., Bridgeville, Pa.
Vulcan Crucible Steel Co., Aliquippa, Pa.

STEEL SQUARES—See Squares, Iron and Steel

STEEL, Stainless

American Stainless Steel Co., Commonwealth Bldg., Pittsburgh, Pa.

STEEL STAMPING FIGURES—See Letters and Figures, Steel Stamping

STEEL STAMPING LETTERS—See Letters and Figures, Steel Stamping

STEEL STAMPS—See Stamps, Steel

STEEL STOOLS—See Stools, Shop, Steel

STEEL TABLES—See Tables, Steel

STEEL TANKS—See Tanks, Steel

STEEL TAPES—See Tapes, Measuring

STEEL, Tool

Armstrong Bros. Tool Co., Chicago, Ill.
Bethlehem Steel Co., Bethlehem, Pa.
Carpenter Steel Co., Reading, Pa.
Colonial Steel Co., Pittsburgh, Pa.
Columbia Tool Steel Co., Chicago Heights, Ill.
Crucible Steel Co. of America, Pittsburgh, Pa.
Cyclops Steel Co., Titusville, Pa.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Eddystone Steel Co., Crum Lynne, Pa.
Electro Steel Co., Inc., Pittsburgh, Pa.
Firth-Sterling Steel Co., McKeesport, Pa.
Halcomb Steel Co., Syracuse, N. Y.
Hammond Steel Co., Syracuse, N. Y.
Heller Bros. Co., 860 Mt. Prospect Av., Newark, N. J.
Hess Steel Corp., Baltimore, Md.
Illingworth (John) Steel Co., Phila., Pa.
International High Speed Steel Co., Rockaway, N. J.
Interstate Iron & Steel Co., Chicago, Ill.
Jessop Steel Co., Washington, Pa.
Lancaster Steel Products Corp., Lancaster, Pa.
Latrobe Electric Steel Co., Latrobe, Pa.
Le Moyne Steel Co., Pittsburgh, Pa.
Liberty Steel Co., Morristown, N. J.
Ludlum Steel Co., Watervliet, N. Y. "Deward"
Lundin Steel Casting Co., Neponset, Boston, Mass.
McInnes Steel Co., Corry, Pa.
Midvale Steel & Ordnance Co., Phila., Pa.
Onondaga Steel Co., Syracuse, N. Y.
Ontario Electric Steel Co., Poughkeepsie, N. Y.
Pittsburgh Cold Rolled Steel Co., Verona, Pa.
Pittsburgh Tool Steel Wire Co., Monaca, Pa.
Railway Steel Spring Co., 30 Church, New York, N. Y.
Republic Steel Corp., Upson Nut Div., Cleveland, O. "Bourne-Fuller"
Rothert Process Steel Co., Seattle, Wash.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Simonds Mfg. Co., Lockport, N. Y.
Syracuse Alloy Steel Co., Syracuse, N. Y.
Tacony Steel Co. (Tacony), Phila., Pa.
Trojan Electric Steel Co., Chicago, Ill.
Universal Steel Co., Bridgeville, Pa.
Vanadium-Alloys Steel Co., Pittsburgh, Pa. "Vasco"
Vulcan Crucible Steel Co., Aliquippa, Pa.

STEEL TRAPS—See Traps, Animal

STEEL TRAY BARROWS—See Wheelbarrows, All Types and Classifications

STEEL TUBING—See Tubing, Steel

STEEL VALVES—See Valves, Steel

STEEL WASHERS—See Washers, Iron and Steel

STEEL WEDGES—See Wedges, Steel

STEEL WINDOWS—See Windows, Steel

STEEL WIRE—See Wire, Steel

STEEL WIRE BROOMS—See Brooms, Wire, Steel

STEEL WOOL—See Wool, Steel

STEEL WOOL HOLDERS—See Holders, Steel Wool

STEEL YARDS—See Scale Beams

STEELS, BUTCHERS'—See Steels, Knife Sharpening

STEELS, Household—See Steels, Knife, Sharpening

STEELS, Knife Sharpening

American Stainless Knife Co., Chicago, Ill.
Chatillon (John) & Sons, 85 Cliff, New York, N. Y. "Foster Bros."
Continental Mfg. Co., 37 W. 23rd, New York, N. Y.
Goodell Co., Antrim, N. H.
Harrington Cutlery Co., Southbridge, Mass. "Dexter"
Henckels (J. A.), Inc., 456 4th Av., New York, N. Y. "Twin Brand," "Welkut"
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass. "Anchor"
Landers, Frary & Clark, New Britain, Conn. "Universal," "Lee's"
Mack & Co., Rochester, N. Y. "D. R. Barton"
Mechanics Tool & Wrench Co., Greenfield, Mass. "Nichols Bros."
Ontario Knife Co., Franklinville, N. Y.
Remington Arms Co., Inc., Bridgeport, Conn.
Stortz (John) & Son, Phila., Pa.
Village Blacksmith Folk, Watertown, Wis.
Wade & Butcher Corp., 190 Baldwin Av., Jersey City, N. J.
White (Ira F.) & Son Co., Bloomfield, N. J.
White (L. & I. J.) Co., Division of the Simonds-Worden-White Co., Dayton, O.

STEERING SLEDS—See Sleds, Steering

STENCIL BRUSHES—See Brushes, Stencil

STENCIL DAUBERS—See Brushes, Stencil

STENCIL INKS—See Inks, Stencil

STENCIL KNIVES—See Knives, Manual Training

STENCIL and BLOCK KNIVES—See Knives, Stencil and Block

STENCIL OUTFITS—See Stencils and Stencil Outfits

STENCILS AND STENCIL OUTFITS

(See Also Show Card Writers)

Bradley (A. J.) Mfg. Co., 101 Beekman, New York, N. Y.
Dickey Grabler Co., Cleveland, O.
Display Material Co., St. Paul, Minn. "Stencillor"
Hanson (C. H.) Co., Chicago, Ill. "Reeses" (Adjustable)
Hoggson & Pettis Mfg. Co., New Haven, Conn.
Ideal Stencil Machine Co., Belleville, Ill.
Matthews (James H.) Co., Pittsburgh, Pa.
New York Stencil Wks., 100 Nassau, New York, N. Y.
Noble & Westbrook Mfg. Co., East Hartford, Conn.
Sheffield Bronze Powder & Stencil Co., 5817 Kinsman Rd., Cleveland, O.
Stafford (N.) Co., 53d & 1st Av., B'klyn, N. Y.
Steere (Geo.) & Sons, Chicago, Ill. "Reeses" (Interlocking)

STEP LADDERS—See Ladders, Step

STEP LADDER JOINTS—See Joints, Step Ladder

STEP LADDER STOOLS—See Stools, Step Ladder

STICK FILES—See Files, Stick

STICKS, Clothes—See Poles, Clothes

STICKS, Hockey

Brine (Jas. W.) Co., Boston, Mass.
Bredenberg Bros., Inc., Champlain, N. Y. "Broadmount"
Draper-Maynard Co., Plymouth, N. H.
Duluth Wood Specialty Co., Duluth, Minn. "Wan-Gard"
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Lovell Mfg. Co., Erie, Pa. "New Superb"
Lund (C. A.) Co., Hastings, Minn.
Northland Ski Mfg. Co., St. Paul, Minn.
Pioneer Pole & Shaft Co., Memphis, Tenn. (Shinny)
Reg'lar Fellers, Cincinnati, O.
Shepard (H. G.) & Sons, New Haven, Conn.
Smith (G. W.) & Sons, Canterbury, Conn.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Torrey Bros. Co., Central Village, Conn.

STICKS, Lacrosse

Brine (James W.) Co., Boston, Mass.
Draper-Maynard Co., Plymouth, N. H.
Reach (A. J.) Wright & Ditson, Inc., Phila., Pa.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.

STICKS and HOLDERS, Mop

American Standard Mfg. Co., Chicago, Ill.
American Textile Products Co., East Cleveland, O. "No-Mar"
Arcade Mfg. Co., Freeport, Ill. "Gem," "Freeport," "Standard," "Trojan"
Auburn Brush Co., Columbia, Pa.
B. B. Specialty Co., Minneapolis, Minn. "Perfection"
Black Bros., Carey, O. "Improved"
Bogert & Hopper, 223 Varick, New York, N. Y.
Brown-Thomas Co., Syracuse, N. Y.
C-K-R Company, Cleveland, O. "Little Giant"
Cohankus Mfg. Co., Paducah, Ky.
Columbus Handle & Tool Corp., Works of the National Handle Co., Columbus, Ind.
Crook, Son & Co., Hicksville, O.
Cupples Co., St. Louis, Mo.
Dennis (W. J.) & Co., Chicago, Ill.
Ely Mfg. Co., Girard, Pa. "Ely's Dandy"
Erie City Mfg. Co., Erie, Pa. "Arrow"
Erie Gas Mantle Mfg. Co., Erie, Pa.
Erie Mop & Wringer Co., East Rochester, N. Y.
Freeman Mfg. Co., San Francisco, Cal. "Chain Mop Handle"
Gabel Mfg. Co., Hawkeye, Iowa. "Wonder"
Handy Things Mfg. Co., Ludington, Mich.
Harper, A. K., Fairfield, Ia.
Henson-Blair Mfg. Co., Phila., Pa.
Himmelberger-Harrison Lumber Co., Cape Girardeau, Mo.
Imboden (I. C.) Mfg. Co., Lebanon, Pa. "I. C. I."
Kautenberg (W. E.) Co., Inc., Freeport, Ill. "Clinched-on-Head," "Goldenrod," "Master Janitor"
Lamothe (E. J.) Co., Somerville, Mass. "Lamco"
Midway Chemical Co., Chicago, Ill. "Radiant"
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
Monarch Products Co., Tiffin, O.
Peirce (W. E.) & Co., Milford, N. H.
Piqua Handle & Mfg. Co., Piqua, O.
Rugg Mfg. Co., Greenfield, Mass.
Southern Mills Corp., Oxford, Ala.
Squeez-Ezy Mop Co., Inc., New Orleans, La.
Steel Stamping Co., Lorain, O.
Stevenson Mfg. Co., South Bend, Ind.
Stiles (H. A.) & Co., Boston, Mass.
Stover Mfg. & Engine Co., Freeport, Ill. "Dirt Hound," "Little Janitor," "Red Head," "Samson"
Tucker Duck & Rubber Co., Fort Smith, Ark.
Whitaker, Wm. D., Phila., Pa.

STICKS—Soldering—See Flux, Soldering

STICKERS—See Labels, Gummed

STICKING KNIVES—See Knives, Sticking

STILLS

American Copper & Brass Wks., Cincinnati, O.
American Water Softener Co., Phila., Pa. (Water)
Atlas Copper & Brass Mfg. Co., Chicago, Ill.
Baeuerle & Morris, Phila., Pa. (Water)
Harris (Arthur) & Co., Chicago, Ill. (Acid)
Metal Products Corp., 49 Chestnut, Weehawken, N. J. (Water)
Stokes (F. J.) Machine Co., Phila., Pa. (Water)
Weber Bros. Metal Wks., Chicago, Ill. (Water)

STILTS

American Mfg. Concern, Falconer, N. Y.
Boston Stilt Co., Boston, Mass.
Pioneer Pole & Shaft Co., Memphis, Tenn.
Sheboygan Coaster & Wagon Wks., Sheboygan, Wis.
Sterling Toy Wks., Sterling, Ill.
Stimpson (G. E.) Co., Worcester, Mass.

STIRRUPS, Joist—See Hangers, Joist

STOCK FOUNTAINS—See Fountains, Stock

STOCK SOAPS—See Soaps, Animal, Dog, Etc.

STOCK TAGS—See Tags, Stock

STOCK TANK HEATERS—See Heaters, Tank, Stock

STOCKINGS, Christmas, Filled with Toys

Ammidon & Co., Baltimore, Md.
Mansell-Hunt-Catty & Co., Ltd., 1500 Hudson, Hoboken, N. J.
Morris (G. W.) Inc., Portland, Me.
Mousley, Geo. E., Phila., Pa.
Thanhauser, S., Phila., Pa.

STOCKINGS, Doll—See Shoes and Stockings, Doll

STOCKINGS, FISHERMEN'S—See Waders, Fishermen's

STOCKS, Bit—See Braces, Bit

STOCKS, Die, Pipe and Bolt

Alvord-Polk Tool Co., Millersburg, Pa. "Alpo"
Armstrong Bros. Tool Co., 300 N. Francisco Av., Chicago, Ill.
Armstrong Mfg. Co., Bridgeport, Conn.
Borden Co., Warren, O. "Beaver," "Beaver Jr," "Beaverette," "Warren"
Butterfield & Co. Div., Union Twist Drill Co., Derby Line, Vt.
Champion Blower & Forge Co., Lancaster, Pa.
Erie Tool Wks., Erie, Pa.
Greenfield Tap & Die Corp., Greenfield, Mass. "Duo," "G T D," "Green River," "Lightning," "Little Giant," "OK," "Trio"
Hart Mfg. Co., Cleveland, O. "Duplex"
Hollands Mfg. Co., Erie, Pa.
Mechanics Tool & Wrench Co., Greenfield, Mass.
Morse Twist Drill & Mach. Co., New Bedford, Mass.
Nye Tool & Mach. Wks., Chicago, Ill.
Oster Mfg. Co., Cleveland, O. "Bull Dog," "Bull Pup," "Receder"
Reed Mfg. Co., Erie, Pa.
Ridge Tool Co., Elyria, O. "Rigid"
Russell Mfg. Co., Greenfield, Mass.
Standard Tool Co., Cleveland, O.
Toledo Pipe Threading Mach. Co., Toledo, O.
Walworth Co., Boston, Mass.
Williams Tool Corp., Erie, Pa.

STOCKS, Guns, Double

Johnson's (Iver) Arms & Cycle Wks., Fitchburg, Mass.

STOKERS, Home, Furnace

Ernst (Chas. K.) Inc., Buffalo, N. Y.
Neemes Foundry, Inc., Troy, N. Y.
Vitadisc Co., Inc., Rochester, N. Y. "The Scotch Fireman"

STONE ANCHORS—See Anchors, Stone

STONE CUTTERS' HAMMERS—See Hammers, Stone Cutters'

STONE CUTTERS' MALLETS—See Mallets, Stone Cutters'

STONE CUTTERS' TOOLS—See Tools, Stone Cutters'

STONE CONSTRUCTION TOYS—See Construction Toys

STONE DRILLS—See Drills, Brick, Stone, Cement, Etc.

STONE or BALLAST FORKS—See Forks, Stone or Ballast

STONE WARE—See Ware, Stone; also Jugs, Stone Ware

STONERS, Cherry, Peach, Etc.

Boebinger, Hdw. & Supply Co., Cincinnati, O.
Enterprise Mfg. Co. of Pa., Phila., Pa.
Goodell Co., Antrim, N. H. "Family"
New Standard Corp., Mt. Joy, Pa. "Dandy," "New Standard"
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Rollmann Mfg. Co., Lancaster, Pa.
Rustless Rule Co., Inc., Buffalo, N. Y.
Wrightsville Hdw. Co., Wrightsville, Pa. "Brighton"

STONERS, Peach—See Stoners, Cherry, Peach, Etc.

STONES, Axe—See Stones, Grind

STONES, Emery

Bracher Co., Belleville, N. J.
Norton Pike Co., Pike, N. H.
Safety Emery Wheel Co., Springfield, O.
Stiles (H. A.) & Co., Boston, Mass. "Ottoman"
Tanite Co., Stroudsburg, Pa.
Vitrified Wheel Co., Westfield, Mass.

STONES, Grind

American Rubbing Stone Co., Cincinnati, O.
Athol Mach. & Fdry. Co., Athol, Mass. (Frames)
Cleveland Quarries Co., Cleveland, O. "Auto," "BiTreadle," "Genuine Berea," "Hercules," "Huron," "Norka," "Norka B B," "Samson," "Sterling"
Constitution Stone Co., Constitution, O.
Hall Grindstone Co., Constitution, O.
Herschell (R.) Mfg. Co., Peoria, Ill.
Hoppen (J. E.) & Sons, Belleville, N. J.
Marietta Stone Co., Marietta, O.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Norton Pike Co., Pike, N. H. "Chocolate," "Corundum," "Fastcut," "Hindostan," "India," "Marshall," "Queer Creek," "Quickcut," "Scotch," "Water-of-Ayr"

STONES, Grind (Continued)

Richards-Wilcox Mfg. Co., Aurora, Ill. "Challenge," "Climax," "Cyclone," "King," "R.-W.," "R.-W. Eli," "R-W Gentleman," "R-W Invader," "R-W Mogul," "R-W Velox," "R-W Victor," "Rural," "Western"
Thomas Mfg. Co., Newcastle, Ind.
Wallace Co., Port Austin, Mich.
Whitaker Mfg. Co., Chicago, Ill. "Acme," "Arab," "Blair," "Dixon," "Mogul," "Rural," "Western"

STONES, Grind, Household

American Rubbing Stone Co., Cincinnati, O.
Athol Mach. & Fdry. Co., Athol, Mass.
Cleveland Quarries Co., Cleveland, O.
Luther Grinder & Tool Co., 145 W. Seeboth, Milwaukee, Wis.
Norton Pike Co., Pike, N. H. "Bevelrite"
Prairie du Chien Tool Co., Prairie du Chien, Wis.
Richards-Wilcox Mfg. Co., Aurora, Ill.
Walker-Turner Co., Inc., Plainfield, N. J.

STONES, Grind, Power

Cleveland Quarries Co., Cleveland, O. "Empire," "Farmer's Special," "Harvest King," "Keystone," "Little Giant"
Luther Grinder & Tool Co., 145 W. Seeboth, Milwaukee, Wis.
Norton Pike Co., Pike, N. H.
Novelty Iron Wks., Sterling, Ill. "Sterling"
Prairie du Chien Tool Co., Prairie du Chien, Wis.
Richards-Wilcox Mfg. Co., Aurora, Ill. "Aurora," "Mogul," "Rural"

STONES, Oil and Water

American Hone Co., Olean, N. Y.
American Rubbing Stone Co., Cincinnati, O.
Bracher Co., Belleville, N. J. "Boss," "Duro," "Regal"
Carborundum Co., Niagara Falls, N. Y.
Goodrich Grinding Wheel Co., Chicago, Ill. "Carbo-Magneto," "Goodrich Rajah Corundum"
Norton Pike Co., Pike, N. H. "Corundum," "Extra Washita," "Fastcut," "Hard Arkansas," "Hindostan," "India Washita," "Lily White Washita," "Ohio Grit," "Pike India," "Queer Creek," "Quickcut," "Reversible Oilstone," "Rosy Red Washita," "Soft Arkansas"
Prairie du Chien Tool Co., Prairie du Chien, Wis.
Scranton Whetstone & Abrasive Wheel Co., Scranton, Pa. "Hindostan"
Technical Products Co., Pittsburgh, Pa. "Isenite," "Vee"
Vitrified Wheel Co., Westfield, Mass.

STONES, Sand—See Stones, Grind

STONES, Scythe

Bracher Co., Belleville, N. J.
Carborundum Co., Niagara Falls, N. Y. "Aloxite"
Cleveland Quarries Co., Cleveland, O. "Sterlith"
De Sanno (A. P.) & Son, Phila., Pa. "Radiac"
Goodrich Grinding Wheel Co., Chicago, Ill.
Luther Grinder & Tool Co., 145 W. Seeboth, Milwaukee, Wis.
Norton Pike Co., Pike, N. H.
Pelkey, W. H., Fair Haven, Vt.
Prairie du Chien Tool Co., Prairie du Chien, Wis.
Wisconsin Abrasive Co., Milwaukee, Wis. "Minalox"

STONES, Tool

American Rubbing Stone Co., Cincinnati, O. "Sylika"
Carborundum Co., Niagara Falls, N. Y.
Cleveland Quarries Co., Cleveland, O.
Norton Pike Co., Pike, N. H.
Ohio Quarries Co., Cleveland, O.

STONES, Water—See Stones, Oil and Water

STONES, Whet

Bracher Co., Belleville, N. J.
Chaillaux, Jas. A., West Baden, Ind.
Cleveland Quarries Co., Cleveland, O.
Goodrich Grinding Wheel Co., Chicago, Ill. "Carbo-Magneto"
Norton Pike Co., Pike, N. H.
Paducah Pottery Co., Paducah, Ky.
Technical Products Co., Pittsburgh, Pa. "Vee"

STOOL LADDERS, Step—See Ladders, Stool

STOOLS, Bath Room

Beckwith Bros. Co., Westfield, Mass.
Casey-Foster Co., Boston, Mass. "Edstar"
Dearborn Co., Chicago, Ill. (Also Kitchen)
Dillingham Mfg. Co., Sheboygan, Wis.
Durham Mfg. Co., Muncie, Ind. "Duplex"
Hemp & Co., Corp., St. Louis, Mo.
Illinois Specialty Co., Tuscola, Ill.
Kersten Co., Inc., Chicago, Ill.
Lawson (F. H.) Co., Cincinnati, O. "Lawco"
New Britain Mach. Co., New Britain, Conn.
Pocono Metal Mfg. Co., East Stroudsburg, Pa.
Powell Pressed Steel Co., Hubbard, O.
Pressed Metal Products Co., Cleveland, O.
Reliable Metal Novelty Co., 165 W. 21st, New York, N. Y. "Ramco"
Silvers Mfg. Co., Waterloo, Ia.
Steinhorse (Emil) & Sons, Inc., Utica, N. Y. "Utica"
Sterling Woodenware Co., Sterling, Ill. "Crackerjac"
Stirrup Mfg. Co., Inc., 250 South, Newark, N. J.
Teepe Whitney Corp., Vernon & Nott Avs., Long Island City, N. Y. (Kitchen)
Titchener (E. H.) & Co., Binghamton, N. Y. "Bathwhite"

STOOLS, Camp

(See also Chairs, Folding)

C-K-R Company, Cleveland, O.
Cable Corp., 108 W. 38th, New York, N. Y.
Chicago Hdw. Foundry Co., North Chicago, Ill.
Converse-Mason Corp., Winchendon, Mass.
Crawford-Austin Mfg. Co., Waco, Tex. "Supreme"
Dillingham Mfg. Co., Sheboygan, Wis.
Divine (Fred D.) Co., Utica, N. Y.
Fulton Bag & Cotton Mills, Inc., 330 Wythe Av., B'klyn, N. Y.
Gold Medal Camp Furniture Mfg. Co., Racine Junction, Wis.
Harrison (B. J.) Son Co., Winsted, Conn.
Holden (A. S.), Inc., Cleveland, O. (Folding)
Imperial Bit & Snap Co., Racine, Wis.
Jackson (S. D.) Co., Portland, Me.
Kalamazoo Sled Co., Kalamazoo, Mich.
King Folding Canvas Boat Co., Kalamazoo, Mich.
McGrew Machine Co., Lincoln, Neb. "Junior," "Lincoln"
McKinnon Dash Co., Buffalo, N. Y.
Mahoney (E. H.) Chair Co., Gardner, Mass.
Mazura Mfg. Co., St. Louis, Mo.
Michigan Wire Goods Co., Niles, Mich. "Realax"
Nappanee Lumber & Mfg. Co., Nappanee, Ind.
Norcor Mfg. Co., Green Bay, Wis.
Oregon Wood Products Co., Salem, Ore.
Paris Mfg. Co., South Paris, Me.
Pratt Mfg. Co., Coldwater, Mich.
Prentiss Wabers Products Co., Wisconsin Rapids, Wis. "Preway"
Stanley Works, New Britain, Conn.
Steel Basket & Mfg. Co., Cedar Rapids, Ia.
Stoll Mfg. Co., Denver, Col.
Telescope Folding Furniture Co., Inc., 874 B'way, New York, N. Y.
Triangle Folding Camp Stove Co., La Crosse, Wis.
Tucker Duck & Rubber Co., Ft. Smith, Ark. "Peerless"
United Steel & Wire Co., Battle Creek, Mich.

STOOLS, Factory—See Stools, Shop

STOOLS, Kitchen

Casey-Foster Co., Boston, Mass. "Edstar"
Dillingham Mfg. Co., Sheboygan, Wis.
Durham Mfg. Co., Muncie, Ind. "Duplex"
Frank & Son, Inc., 160 Fifth Av., New York, N. Y. "Frankson"
Hemp & Co., Corp., St. Louis, Mo.
Lawson (F. H.) Co., Cincinnati, O. "Lawco"
Norcor Mfg. Co., Green Bay, Wis.
Powell Pressed Steel Co., Hubbard, O.
New Britain Mach. Co., New Britain, Conn.
Silvers Mfg. Co., Waterloo, Ia.
Sterling Woodenware Co., Sterling, Ill. "Crackerjac"
Stirrup Mfg. Co., Inc., 250 South, Newark, N. J.

STOOLS, Milking

Ney Mfg. Co., Canton, O.

STOOLS, Shop, Steel

Angle Steel Stool Co., Plainwell, Mich. "Ot-Steel"
Bingham (J. F.) Mfg. Co., Lawrence, Mass.
Cleveland Wire Spring Co., Cleveland, O.
Conant Bros., Somerville, Mass.
Kalamazoo Steel Goods Co., Kalamazoo, Mich.
Kewanee Mfg. Co., Adrian, Mich.
Manufacturing, Equipment & Eng'g Co., Framingham, Mass.
New Britain Mach. Co., New Britain, Conn.
Permanent Tool & Die Co., Dayton, O.
Royal Metal Mfg. Co., Chicago, Ill.
Toledo Metal Furniture Co., Toledo, O. (Postur Chair)
Worley & Co., Pico, Cal.

STOOLS, Step Ladder

Berg (John) Mfg. Co., Chicago, Ill.
Clark (R.) Co., Minneapolis, Minn.
Dillingham Mfg. Co., Sheboygan, Wis.
Frank & Son, Inc., 160 Fifth Av., New York, N. Y. "Frankson"
Harsten Mfg. Co., Goshen, Ind. (Steel)
Hemp & Co., Corp., St. Louis, Mo.
Herkimer Specialties Corp., Cold Brook, N. Y. "Economy," "Gibraltar"
Hincher Mfg. Co., Washington, Ind. "Goodform"
Hoosier Mfg. Co., Newcastle, Ind.
Illinois Specialty Co., Tuscola, Ill.
Luke Basket Co., Barrien Springs, Mich.
Monarch Products Co., Tiffin, O.
Nappanee Lumber & Mfg. Co., Nappanee, Ind.
Peru Basket Co., Peru, Ind. "Pioneer"
Powell Pressed Steel Co., Hubbard, O.
Pressed Metal Products Co., Cleveland, O.
Putnam (W. E.) Co., Inc., Worcester, Mass. "Superior" (Combination)
Rich Pump & Ladder Co., 1028 Depot, Cincinnati, O.
Steinhorst (Emil) & Sons, Inc., Utica, N. Y. "Utica"
Sterling Woodenware Co., Sterling, Ill. "Crackerjac"
Walkerton Ladder Co., Walkerton, Ind.

STOP BEAD SCREWS and WASHERS—See Washers, Stop Bead and Screw

STOP COCKS—See Cocks, Stop

STOP PULLEYS—See Pulleys, Stop, Window Shade

STOP VALVES—See Valves, Check, Stop, Etc.

STOPPERS, Bottle

(See also Caps, Bottle)

Acme Cork Co., 899 3rd Av., New York, N. Y. (Porcelain)
Anchor Cap & Closure Corp., 22 Queen, Long Island City, N. Y. (Rubber)
Eick, Otto, St. Louis, Mo.
Gem Mfg. Co., Bascom, O.

STOPPERS, Flue

Clark (J. L.) Mfg. Co., Rockford, Ill. "Crescent," "Gem," "Peerless"
Crunden (Martin) Mfg. Co., St. Louis, Mo.
Dover Stamping & Mfg. Co., Cambridge, Mass.
Geuder, Paeschke & Frey Co., Milwaukee, Wis.
Hall & Carpenter, Phila., Pa. "Crown"
McAleer (E. J.) & Co., Phila., Pa.
National Enameling & Stamping Co., Milwaukee, Wis. "Acme"
Northwest Metal Products, Inc., Seattle, Wash.
Porter (C. B.) Co., Phila., Pa.
Savory, Inc., 591 Ferry, Newark, N. J.
Schlueter Mfg. Co., St. Louis, Mo.
Stuber & Kuck Co., Peoria, Ill. "Globe," "Hold Fast," "Snap Spring," "Stay-in"
Wagner Mfg. Co., Cedar Falls, Ia.
Washburn Company, Worcester, Mass.
Weber-Kirch Mfg. Co., Keokuk, Ia. "Kirch," "W-K Dime"
Wheeling Corrugating Co., Wheeling, W. Va.

STOPPERS, Sink

Elastic Tip Co., Boston, Mass.
Laurel Co., Garfield, N. J.
Rodale Mfg. Co., Emaus, Pa.

STOPS, Bench

Christiansen, C., Chicago, Ill.
Cincinnati Tool Co., Montgomery Rd., Cincinnati, O. "Hargrave"
Dicke Tool Co., Downers Grove, Ill.
Manufacturing Equip. & Eng. Co., Framingham, Mass.
Phoenix Hdw. Mfg. Co., Buffalo, N. Y.
Sargent & Co., New Haven, Conn.
Stanley Wks., New Britain, Conn.
Stearns (E. C.) Co., Syracuse, N. Y. "Stearns Ecsco"
Stevenson Mfg. Co., South Bend, Ind.

STOPS, Compression

Cochrane (J. A.) Brass Mfg. Co., Cleveland, O.
Crane Co., Chicago, Ill.
Dick Bros., Reading, Pa.
General Brass Co., Detroit, Mich.
Haines, Jones & Cadbury Co., Phila., Pa. "H. J. & C."
Hoffmann & Billings Mfg. Co., Milwaukee, Wis.
Kersten Co., Inc., Chicago, Ill.
Landers, Frary & Clark, New Britain, Conn.
Milwaukee Brass Mfg. Co., Milwaukee, Wis.
Mueller (H.) Mfg. Co., Decatur, Ill.
Peck Bros. & Co., New Haven, Conn. "Universal"
Rickersburg Brass Co., Cleveland, O.
Robertshaw Mfg. Co., Youngwood, Pa.
Sherman (H. R.) Mfg. Co., Battle Creek, Mich.
Stebbins (E.) Mfg. Co., Springfield, Mass.
Walworth Co., Boston, Mass.

STOPS, Door

Acme Metal Goods Mfg. Co, 2 Orange, Newark, N. J.
Allith-Prouty Co., Danville, Ill.
American Brass Goods Co., Grand Rapids, Mich.
Barrows Lock Works of Yale & Towne Mfg. Co., Lockport, Ill.
Bogert & Hopper, 223 Varick, New York, N. Y.
Bommer Spring Hinge Co., 263 Classon Av., B'klyn, N. Y.
Brainerd Mfg. Co., East Rochester, N. Y.
Caldwell Mfg. Co., Rochester, N. Y. "Empire"
Champion Hdw. Co., Geneva, O.
Chapin-Stephens Co., Pine Meadow, Conn.
Chapman (W. H.) Co., Middletown, Conn.
Columbus Brass Co., Columbus, O.

STOPS, Door (Continued)

Corbin, P. & F., New Britain, Conn.
Dent Hdw. Co., Fullerton, Pa.
Detroit Hardware Co., Detroit, Mich.
Doggett, R. L. S., Belmar, N. J. "Good Luck"
Duro Metal Products Co., Chicago, Ill.
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Frantz Mfg. Co., Sterling, Ill.
Frost (C. L.) & Son, Grand Rapids, Mich.
Gallup Ruffing Handle Co., Norwalk, O.
Grand Specialties Co., Chicago, Ill. "Grand Master," "Peerless," "Standard"
Griffin Mfg. Co., Erie, Pa.
Hubley Mfg. Co., Lancaster, Pa.
Imperial Brass Mfg. Co., Chicago, Ill.
Independent Lock Co., Fitchburg, Mass.
Ives (H. B.) Co., New Haven, Conn.
J. & M. Machine Co., East Cleveland, O. (Garage)
Jacobs Mfg. Co., Hartford, Conn.
Janusch Mfg. Co., 282 E. 135th, New York, N. Y.
Jones Hollow Ware Co., Baltimore, Md.
Judd (H. L.) Co., 87 Chambers, New York, N. Y.
Kersten Co., Inc., Chicago, Ill.
Laurel Co., Garfield, N. J.
Lockwood Mfg. Co., Fitchburg, Mass.
Maple City Furnace Co., Monmouth, Ill.
Milwaukee Stamping Co., Milwaukee, Wis.
National Mfg. Co., Sterling, Ill.
Northfield Iron Co., Northfield, Minn. "Cyclone"
North Wales Mach. Co., North Wales, Pa.
Norwalk Lock Co., 12 Warren, New York, N. Y.
Payson Mfg. Co., Chicago, Ill.
Penn Hdw. Co., Reading, Pa.
Piqua Handle & Mfg. Co., Piqua, O.
Reading Hdw. Co., Reading, Pa.
Richards-Wilcox Mfg. Co., Aurora, Ill.
Rixson (Oscar C.) Co., Chicago, Ill.
Rostand Mfg. Corp., Milford, Conn.
Russell & Erwin Mfg. Co., New Britain, Conn. "Russwin"
Sager Lock Works of Yale & Towne Mfg. Co., North Chicago, Ill.
Sargent & Co., New Haven, Conn.
Sargent & Greenleaf, Inc., Rochester, N. Y.
Schlangen Mfg. Co., Chicago, Ill.
Shelby Metal Products Co., Shelby, O.
Shelby Spring Hinge Co., Shelby, O.
Slaymaker Lock Co., Lancaster, Pa.
Stanley Wks., New Britain, Conn. "Silent Watchman"
Steinmetz (John) Sons, Boston, Mass.
Sterling Foundry Co., Sterling, Ill.
Stiles (H. A.) & Co., Boston, Mass. "Hasco"
Stover Mfg. & Engine Co., Freeport, Ill. (Garage)
Strock (L. W.) & Co., Bethlehem, Pa.
Superior Spring Hinge Co., Chicago, Ill.
Thomas Mfg. Co., Newcastle, Ind.
Union Hdw. Co., Torrington, Conn.
United States Lock & Hdwe. Co., Columbia, Pa.
Weber-Knapp Co., Jamestown, N. Y.
Yale & Towne Mfg. Co., Stamford, Conn.
Zimmerman (G. F. S.) Co., Inc., Frederick, Md.

STORAGE BATTERY CARRIERS—See Carriers, Storage Battery

STORAGE BATTERY CUTTERS—See Cutters, Storage Battery

STORAGE BATTERIES—See Batteries, Storage

STORAGE JACKS—See Jacks, Tire Saving

STORAGE SYSTEMS, Oil

Bowser (S. F.) & Co., Ft. Wayne, Ind.
Dayton Pump & Mfg. Co., Dayton, O.

STORE DECORATIONS—See Decorations, Store

STORE DOOR HANDLES—See Handles, Store Door

STORE DOOR LOCKS—See Locks, Sets, Doors and House

STORE FIXTURES—See Fixtures, Display

STORE FRONTS—See Fronts, Store

STORE GATES—See Gates, Bank, Office, Store, Etc.

STORE LADDERS—See Ladders, Store

STORE SHELVING—See Fixtures, Display

STORE TRUCKS—See Trucks, Store

STORM DOOR LATCHES—See Latches, Door, Screen and Storm

STORM SASH HANGERS—See Hangers, Window Screen and Storm Sash

STORM SASH HARDWARE

Champion Hdw. Co., Geneva, O.
Frantz Mfg. Co., Sterling Ill.
National Mfg. Co., Sterling, Ill.
Parker Wire Goods Co., Worcester, Mass.
Shelby Spring Hinge Co., Shelby, O.
Stanley Wks., New Britain, Conn.
Wolverton Mfg. Co., Hatton, Kan. "Gossetts"
Woodruff (Walter W.) & Sons Co., Mt. Carmel, Conn.

STOVE BOARDS—See Boards, Stove

STOVE BOLTS—See Bolts, Stove

STOVE BRUSHES—See Brushes, Stove

STOVE CASTERS—See Casters, Stove and Truck

STOVE CEMENT—See Cement, Furnace and Stove

STOVE CLAY—See Clay, Stove

STOVE DOOR KNOBS—See Knobs, Door, Stove

STOVE KETTLES—See Kettles, Tea, Range and Stove

STOVE LID LIFTERS—See Lifters, Stove Lid

STOVE MATS—See Mats, Stove

STOVE MICA—See Mica, Stove

STOVE PIPE—See Pipe, Stove; also Pipe, Furnace

STOVE PIPE COLLARS—See Collars, Stove Pipe

STOVE PIPE CUTTERS—See Cutters, Pipe, Stove

STOVE PIPE DAMPER CLIPS—See Clips, Damper

STOVE PIPE DAMPERS—See Dampers, Stove Pipe

STOVE PIPE ELBOWS—See Elbows, Stove Pipe

STOVE PIPE ENAMELS—See Enamels, Stove Pipe

STOVE PIPE THIMBLES—See Thimbles, Stove Pipe

STOVE POKERS—See Pokers, Stove

STOVE POLISHES—See Polishes, Stove

STOVE POLISHING MITTENS—See Mittens, Polishing

STOVE PUTTY—See Putty, Stove

STOVE REPAIRS—See Repairs, Stove

STOVE RIVETS—See Rivets, Stove

STOVE RODS—See Rods, Stove and Chair

STOVE TRUCKS—See Trucks, Stove

STOVES—See also Ranges; also Heaters

STOVES, Alcohol

American Stove Co., St. Louis, Mo. "Dangler," "Gem"
Houchin (Thos. W.) Co., 309 9th, Jersey City, N. J.
Landers, Frary & Clark, New Britain, Conn. "Universal"
Manning, Bowman & Co., Meriden, Conn.
New York Stamping Co., 11th & Berry Sts., B'klyn, N. Y.
Quick Meal Stove Co., St. Louis, Mo.

STOVES, Brooder—See Heaters, Brooder

STOVES, Camp

Adams Co., Dubuque, Ia.
American Gas Mach. Co., Inc., Albert Lea, Minn. "Kampkook"
Banner Accessory Mfg. Co., St. Louis, Mo.
Buda Co., Harvey, Ill.
Capitol Wire Co., Madison, Wis.
Channon Emery Stove Co., Quincy, Ill. "Cesco"
Clayton & Lambert Mfg. Co., Detroit, Mich. "Utility"
Coleman Lamp & Stove Co., Wichita, Kan. (Folding, Gasoline Pressure)
Excelsior Stove & Mfg. Co., Quincy, Ill. "Jiffy," "National"
Fraser (W. D.), Cleveland, O. (Charcoal)
General Machine & Mfg. Co., 225 W. 39th, New York, N. Y.
Hettrick Mfg. Co., Toledo, O.
Howes (S. M.) Co., Boston, Mass. "Antique," "Franklin," "Clipper"
Hugo Mfg. Co., Duluth, Minn. "Basford," "Hawks"
Hunter & Kent, Superior, Wis.
Jewett & Co., Buffalo, N. Y.
Justrite Mfg. Co., Chicago, Ill.
Kraft, A. C., Chicago, Ill.
Kuder, Chas. A., Chicago, Ill.
Licking Stove Wks., Newark, O.
Lindemann (A. J.) & Hoverson Co., Milwaukee, Wis.
Macomb Mfg. Co., Macomb, Ill.
Madsen Iron Wks., Los Angeles, Cal.
Mazura Mfg. Co., St. Louis, Mo.
Mesker Bros. Iron Co., St. Louis, Mo.
Miller (Robert E.), Inc., 35 Pearl, New York, N. Y. "Campingo," "OPTIMUS" (Gasoline or Kerosene)
National Electric Appliance Corp., Bridgeport, Conn.
National Stamping & Electric Wks., Chicago, Ill. (Gasoline) "Camp Comfort," "Handy"
National Enameling & Stamping Co., Milwaukee, Wis.
Northwest Metal Products, Inc., Seattle, Wash. "Norwesco"
Outing Stove Co., Silex, Mo.
Perfection Stove Co., Inc., 7609 Platt Av., Cleveland, O. "Camp," "Junior"
Prentiss Wabers Products Co., Wisconsin Rapids, Wis. "Auto Cook Kit," "Preway"
Purdin Bros., Portland, Ore.
Quad Stove Mfg. Co., Columbus, O.
Quick Meal Stove Co., St. Louis, Mo.
Red-E Co., Columbus, O. (Wood Burning)
Reeves, S. V., Philadelphia, Pa.
Rochester Can Co., Rochester, N. Y. "Iron Horse"
Sabey (Fred F.) Co., Rochester, N. Y.
Sandvik Saw & Tool Corp., Minneapolis, Minn. "Primus Swedish" (Imported)
Standley Skid Chain Co., Boone, Ia.
Sternau (S.) & Co., 9 E. 37th, New York, N. Y.
Stuart, W. W., Des Moines, Ia.
Triangle Folding Camp Stove Co., La Crosse, Wis.
Umbrella Camp Stove Co., Mt. Vernon, Wash.
United Steel & Wire Co., Battle Creek, Mich. "Nugget"
Vac Mfg. Co., Monmouth, Ill.
Washburn Company, Worcester, Mass.
Western Stamping Co., St. Louis, Mo.
Western Steel Products Co., Duluth, Minn.

STOVES, Cannon, Heavy Type

Avondale Stove & Fdy. Co., Birmingham, Ala.
Bell (C. S.) Co., Hillsboro, O. "Mogul"
Detroit-Michigan Stove Co., Detroit, Mich. "Garland," "Jewel"
Eagle Foundry Co., Belleville, Ill. "New Star," "Torrid"
Hess-Snyder Co., Massillon, O. "Boomer"
Home Stove Co., Indianapolis, Ind.
Indiana Foundry Co., Indiana, Pa. "Ajax"
Pittston Stove Co., Pittston, Pa. "Lehigh"
Premier Stove Co., Belleville, Ill. "Presco"
Southern Stove Wks., Evansville, Ind.
Summit Stove Co. (Not Inc.), Morrison, Ill.
Tappan Stove Co., Mansfield, O. "Frost Killer"
Wetter Mfg. Co., Memphis, Tenn.

STOVES, Coal and Gas, Combination

Alcazar Range & Heater Co., Milwaukee, Wis.
American Range Corp., Shakopee, Minn. "Sanico"
American Stove Co., St. Louis, Mo. "Quick Meal"
Anchor Stove & Range Co., New Albany, Ind.
Andes Range & Furnace Corp., Geneva, N. Y.
Baker Stove Works, Belleville, Ill.
Barstow Stove Co., Providence, R. I.
Belleville Stove & Range Co., Belleville, Ill. "St. Clair"
Buckwalter Stove Co., Royersford, Pa.
Buffalo Co-operative Stove Co., Buffalo, N. Y.
Comstock-Castle Stove Co., Quincy, Ill. "Economy"
Co-operative Foundry Co., Rochester, N. Y. "Red Cross"
Cox (Abram) Co., Phila., Pa. "Novelty Fortune"
Cribben & Sexton Co., Chicago, Ill. "Universal"
Crown Stove Wks., Chicago, Ill.
Detroit-Michigan Stove Co., Detroit, Mich. "Garland," "Jewel," "Laurel"
Eagle Fdry. Co., Belleville, Ill.
Early Foundry Co., Dickson City, Pa. "Dickson"
Favorite Stove & Range Co., Piqua, O.
Floyd-Wells Co., Royersford, Pa. "Bengal"
Foster Stove Co., Ironton, O.
Fremont Stove Co., Fremont, O.
Fuller-Warren Co., Inc., Milwaukee, Wis.
Glenwood Range Co., Taunton, Mass.
Globe American Corp., Kokomo, Ind.
Graff Furnace Co., 116 Wooster, New York, N. Y. "Faultless"
Great Western Stove Co., Leavenworth, Kan. "Banquet"
Hammer-Bray Co., Oakland, Cal. "Spark"
Howes (S. M.) Co., Boston, Mass.
Independent Stove Co., Owosso, Mich. "Renown"
Jewett & Co., Military Rd., Buffalo, N. Y.
Kalamazoo Stove Co., Kalamazoo, Mich.
Keeley Stove Co., Columbia, Pa. "Columbian"
Majestic Mfg. Co., St. Louis, Mo.
Malleable Iron Range Co., Beaver Dam, Wis. "Monarch," "Paramount"
Orbon Stove Co., Belleville, Ill.
Peerless Mfg. Co., Louisville, Ky. "Paragon"
Pittston Stove Co., Pittston, Pa. "Duplex," "Happy Thought," "Lehigh"
Premier Stove Co., Belleville, Ill. "Presco"
Prizer-Painter Stove Co., Reading, Pa.
Quakertown Stove Wks., Quakertown, Pa. "Beechwood"
Quincy Stove Mfg. Co., Quincy, Ill. "Monogram"
Reading Stove Wks., Reading, Pa. "Sunshine"
Richardson & Boynton Co., 244 Madison Av., New York, N. Y.
Rock Island Stove Co., Rock Island, Ill. "Riverside," "Royal"
Roesch Enamel Range Co., Inc., Belleville, Ill.
Scranton Stove Works, Scranton, Pa. "Dockash"
Sheppard (Isaac A.) Co., Phila., Pa.
Sill Stove Wks., Rochester, N. Y.
Somerville Stove Wks., Somerville, N. J. "Service"
Spengler-Loomis Mfg. Co., Chicago, Ill.
Standard Gas Equipment Corp., 18 E. 41st, New York, N. Y.

STOVES, Coal, Gas and Electric Combination

Lindemann & Hoverson Co., Milwaukee, Wis.
Odin Stove Mfg. Co., Erie, Pa.
Roper (Geo. D.) Corp., Rockford, Ill.
Westinghouse Electric & Mfg. Co., Mansfield, O.

STOVES, Electric

American Gas Machine Co., Inc., Albert Lea, Minn.
Armstrong Appliance Corp., Huntington, W. Va.
Beardsley & Wolcott Mfg. Co., Waterville, Conn. "Torrid," "Wilwear"
Belleville Stove & Range Co., Belleville, Ill. "St. Clair"

STOVES, Electric (Continued)

Benjamin Electric Mfg. Co., Des Plaines, Ill. "Crysteel"
Buckwalter Stove Co., Royersford, Pa. "Buckwalter-Simplex"
Champion Stove Co., Cleveland, O. "Kitchenette"
Charter Oak Stove & Range Co., St. Louis, Mo.
Detroit-Michigan Stove Co., Detroit, Mich. "Garland," "Jewel"
Edison General Electric Appliance Co., Inc., Chicago, Ill. "Hotpoint," "Hughes"
Electrical Manufacturers, Inc., Alliance, O. "Countess"
Electro Master, Inc., Detroit, Mich. "Electrochef," "Waldorf"
Estate Stove Co., Hamilton, O.
Federal Electric Co., Chicago, Ill. "Fedelco," "Aristocrat"
Fitzgerald Mfg. Co., Torrington, Conn. "Star-Rite"
Florence Stove Co., Gardner, Mass.
Gray & Dudley Co., Nashville, Tenn. "Washington"
General Electric Co., Schenectady, N. Y.
Graybar Electric Co., 420 Lexington Av., New York, N. Y.
Great Western Stove Co., Leavenworth, Kan. "Banquet"
Landers, Frary & Clark, New Britain, Conn. "Universal" (Combination Utensil Cabinet)
Licking Stove Works, Div. of Wehrle Co., Newark, O.
Lindemann (A. J.) & Hoverson Co., Milwaukee, Wis.
Loth (W. J.) Stove, Div. of Edison General Electric Appliance Co., Chicago, Ill.
Mabey Electric & Mfg. Co., Indianapolis, Ind. "Hot Quick"
Malleable Iron Range Co., Beaver Dam, Wis. "Monarch"
Metal Ware Corp., Two Rivers, Wis. "Empire"
National Electric Appliance Co., Bridgeport, Conn.
National Stamping & Electric Wks., Chicago, Ill. "White Cross"
Roberts & Mander Stove Co., Phila., Pa.
Rutenber Electric Co., Marion, Ind. "Marion"
Serelco Products Corp., 601 W. 26th, New York, N. Y. "Jiffy"
Standard Electric Stove Co., Toledo, O. "Big Royal," "Chieftain," "Consort," "Duchess," "Duke," "Princess," "Queen," "Regent," "Royal Chief," "Royal Queen," "Royal Standard"
Stern-Brown, Inc., 257 W. 17th, New York, N. Y. "Supercraft"
Superior Electric Products Corp., St. Louis, Mo. "Super Lectric"
Swartzbaugh Mfg. Co., Toledo, O. "Everhot"
Walker Pratt Mfg. Co., Boston, Mass. "Crawford"
Westinghouse Electric & Mfg. Co., Mansfield, O. "Dual-Automatic," "Flavor Zone"

STOVES, Fireless—See Cookers, Fireless

STOVES, GAS—See Ranges, Gas

STOVES, Gasoline

Alcazar Range & Heater Co., Milwaukee, Wis.
American Gas Mach. Co., Inc., Albert Lea, Minn. "Albert Lea Kitchen Kook"
American Stove Co., St. Louis, Mo. "Clark Jewel," "Dangler," "National," "New Process," "Quick Meal"
Clayton & Lambert Mfg. Co., Detroit, Mich. "Utility"
Coleman Lamp & Stove Co., Wichita, Kan. "Air-O-Gas" (Gasoline Pressure)
Dangler Stove Co. Div., American Stove Co., Cleveland, O.
Detroit Vapor Stove Co., Detroit, Mich.
Excelsior Stove & Mfg. Co., Quincy, Ill. "Monarch"
Insurance Foundry Co., Covington, Ky.
Justrite Mfg. Co., Chicago, Ill.
King Light Co., Peoria, Ill.
Lindemann (A. J.) & Hoverson Co., Milwaukee, Wis. "Kerogas"
National Enameling & Stamping Co., Milwaukee, Wis. "Nesco," "Saftematic"
National Stamping & Electric Wks., Chicago, Ill. "Camp Comfort," "Handy"
New Process Stove Co., Div. American Stove Co., Cleveland, O.
Prentiss Wabers Products Co., Wisconsin Rapids, Wis. "Kitchen Cook," "Preway"
Rutherford (J.) & Son, Akron, O.
Tures Mfg. Co., Milwaukee, Wis.
Wehrle Co., Newark, O.

STOVES, Laundry

American Foundry & Mach. Co., Hamilton, O. "Spic-Span"
Atlanta Stove Wks., Atlanta, Ga. (Coal)
Baker Stove Works, Belleville, Ill.
Bernard (Phillip) Co., Sioux City, Ia.
Birmingham Stove & Range Co., Birmingham, Ala.
Boynton Furnace Co., 373 4th Av., New York, N. Y.
Buckwalter Stove Co., Royersford, Pa. "Quick," "Quaker"
Caloric Gas Stove Wks., Phila., Pa.
Chicago Dryer Co., Chicago, Ill.
Clark (Geo. M.) & Co. Div., American Stove Co., Chicago, Ill. (Gas)
Cox (Abram) Co., Phila., Pa. "Novelty"
Dangler Stove Co. Div., American Stove Co., Cleveland, O.
Direct Action Stove Co., Div. American Stove Co., Lorain, O.
Eagle Foundry Co., Belleville, Ill. "Apollo"
Elgin Stove & Oven Co., Elgin, Ill. (Gas)
Fair Foundry Co., Knoxville, Tenn.
Fremont Stove Co., Fremont, O.
Gray & Dudley Co., Nashville, Tenn. "Washington"
Home Stove Co., Indianapolis, Ind.
Indiana Fdry. Co., Indiana, Pa.
Johnson Gas Appliance Co., Cedar Rapids, Ia.
Keystone Stove Foundry, Spring City, Pa. "Gay Keystone"
Loth (W. J.) Stove Co., Waynesboro, Va. "Loth's"
Marion Stove Co., Marion, Ind.
New Process Stove Co. Div., American Stove Co., Cleveland, O.
Northwestern Stove Co., Chicago, Ill.
Oakland Foundry Co., Belleville, Ill.
Odin Stove Mfg. Co., Erie, Pa.
Pittston Stove Co., Pittston, Pa. "Lehigh"
Premier Stove Co., Belleville, Ill. "Presco"
Reliable Stove Co. Div., American Stove Co., Cleveland, O.
Richardson & Boynton Co., 244 Madison Av., New York, N. Y.
Roper (Geo. D.) Corp., Rockford, Ill.
Somerville Stove Wks., Somerville, N. J. "Eagle"
Standard Stove & Range Co., Rome, Ga.
Waterman (Hy.) & Bro., 811 E. 9th, New York, N. Y.

STOVES, Table, Electric

American Electrical Heater Co., Detroit, Mich. "American Beauty," "Rite Heat," "Triangle Lektrik"
American Gas Machine Co., Inc., Albert Lea, Minn.
Armstrong Appliance Corp., Huntington, W. Va.
Beardsley & Wolcott Mfg. Co., Waterville, Conn. "Torrid"
Bersted Mfg. Co., Chicago, Ill.
Bobbett Electric Mfg. Co., Chicago, Ill.
Bremer Aluminum Corp., Chicago, Ill. "Dr. Koch" (With Grill)
Brown (E. C.) Co., Rochester, N. Y.
Capitol Products Co., Inc., Winsted, Conn.
Chicago Electric Mfg. Co., Chicago, Ill.
Drake Electric Works, Chicago, Ill.
Electro Master, Inc., Detroit, Mich. "Fire Bowl"
Ev'ryday Electric Co., Marion, Ind.
Fitzgerald Mfg. Co., Torrington, Conn. "Star-Rite"
General Electric Co., Bridgeport, Conn. "Hot Point"
Hughes (D. C.) & Co., Chicago, Ill. "Electro"
Knapp-Monarch Co., Belleville, Ill. "Therm-o-Hot"
Landers, Frary & Clark, New Britain, Conn. "Landers," "Universal"
Lindemann (A. J.) & Hoverson Co., Milwaukee, Wis. "L & H Electric"
McAllister (W. B.) Co., Cleveland, O. "Little Chef"
Made-Rite Mfg. Co., Sandusky, O. "O'Kay"
Manning, Bowman & Co., Meriden, Conn.
Metal Ware Corp., Two Rivers, Wis. "Empire"
National Electric Appliance Co., Cleveland, O.
National Enameling & Stamping Co., Milwaukee, Wis. "Bak-O-Grill," "Nesco"
National Stamping & Electric Wks., Chicago, Ill. "White Cross"
Ohio Art Co., Bryan, O. "Delta"
Proctor & Schwartz Electric Co., Phila., Pa.
Prometheus Electric Corp., 360 W. 13th, New York, N. Y.
Rock Island Mfg. Co., Rock Island, Ill. "Rimco"
Rutenber Elec. Co., Marion, Ind. "Marion"
Samson-United Corp., Rochester, N. Y.
Serelco Products Corp., 75 West, New York, N.Y.
Standard Electric Stove Co., Toledo, O.
Stern-Brown, Inc., 257 W. 17th, New York, N.Y. "Superstar"
Superior Electric Products Corp., St. Louis, Mo. "Black," "Super Lectric"
Swartzbaugh Mfg. Co., Toledo, O. "Everhot"
Utility Electric Co., St. Louis, Mo. "Beauty"
Waage Electric Co., Chicago, Ill. "Dandy"
Westinghouse Electric & Mfg. Co., Mansfield, O.

STOVES, Tailors'—See Heaters, Tailors' Iron

STOVES, Toy

Arcade Mfg. Co., Freeport, Ill. "Daisy"
Beardsley & Wolcott Mfg. Co., Waterville, Conn. (Electric)
Grey Iron Casting Co., Mt. Joy, Pa.
Kenton Hdw. Co., Kenton, O. (Electric)
Kingston Products Corp., Kokomo, Ind. "Little Lady" (Electric)
Lionel Corp., 15 E. 26th, New York, N. Y. (Electric)
Metal Ware Corp., Two Rivers, Wis. "Empire" (Electric)
Metropolitan Mfg. & Electric Co., Chicago, Ill.
Roper (Geo. D.) Corp., Rockford, Ill.
Stevens (J. & E.) Co., Cromwell, Conn.
Weeden Mfg Co., New Bedford, Mass. (Electric)

STOVES and HEATERS, Oil Burning

Alcazar Range & Heater Co., Milwaukee, Wis.
American Gas Machine Co., Inc., Albert Lea, Minn. "American," "Blue Flame," "Kitchenkook"
American Stove Co., St. Louis, Mo. "Clark Jewel Lorain," "National Lorain," "New Process," "Quick Meal"
Baker Stove Works, Belleville, Ill.
Cleveland Lock Works, Cleveland, O. "Game Junior," "Summer Girl"
Dangler Stove Co., Div. American Stove Co., Cleveland, O.
Detroit Vapor Stove Co., Detroit, Mich. "Red Star"
Excelsior Stove & Mfg. Co., Quincy, Ill. "Monarch"
Favorite Stove & Range Co., Piqua, O.
Florence Stove Co., Gardner, Mass. "Model," "Reliance" (Electric)
Globe Machine & Stamping Co., Cleveland, O. "Everite"
Huenefeld Co., Cincinnati, O. "Boss"
Leonard Metal Wks., Kankakee, Ill. "Kankakee"
Lindemann (A. J.) & Hoverson Co., Milwaukee, Wis. "Bon Ami," "Kerogas" (Cooking)
Loth (W. J.) Stove, Div. of Edison General Electric Appliance Co., Chicago, Ill. "Loth's Oil-Saver"
Miller (Edw.) & Co., Meriden, Conn.
Miller (Robert E.), Inc., 35 Pearl, New York, N.Y. (Radiant)
National Enameling & Stamping Co., Milwaukee, Wis. "Nesco Perfect"
Otis Boiler Co., Oswego, N. Y.
Perfection Stove Co., Inc., 7609 Platt Av., Cleveland, O. "Ivanhoe," "Puritan"
Quaker Mfg. Co., Chicago, Ill.
Quick Meal Stove Co., St. Louis, Mo. "Lorain"
Roberts & Mander Stove Co., Phila., Pa. "Quality"
Rock Island Stove Co., Rock Island, Ill.
Silent Glow Oil Burner Corp., Hartford, Conn. "Hartford"
Standard Gas Equipment Corp., 18 E. 41st, New York, N. Y.
United Stove Co., Ypsilanti, Mich. "Savoil"

STOVES and RANGES, Coal and Wood

A. & J. Mfg. Co., Gadsden, Ala.
Abendroth Bros., Port Chester, N. Y.
Adamson Mfg. Co., East Palestine, O. "Radia-Steel"
Advance Stove Wks., Evansville, Ind.
Alcazar Range & Heater Co., Milwaukee, Wis.
Allen Mfg. Co., Inc., Nashville, Tenn. "Parlor Furnace," "Princess"
American Radiator Co., Buffalo, N. Y. "Vecto"
American Range Corp., Shakopee, Minn. "Sanica," "Steel Corol"
American Stove Co., St. Louis, Mo. "Quick Meal," "Quick Comfort"
Anchor Stove & Range Co., New Albany, Ind. "Queen Ann"
Ames Range & Furnace Corp., Geneva, N. Y.
Atlanta Stove Wks., Atlanta, Ga. "Alpha," "Imperial," "Lady Bess," "Republic"
Automatic Burner Corp., Chicago, Ill. "A.B.C.," "Kleen-Heet," "Queen"
Auto Stove Wks., New Athens, Ill.
Avondale Stove & Fdry. Co., Birmingham, Ala.
Baker Stove Co., Belleville, Ill. "Juno"
Barstow Stove Co., Providence, R. I.
Bellaire Stove Co., Bellaire, O. "Star"
Belleville Stove & Range Co., Belleville, Ill. "St. Clair"
Bergstrom Mfg. Co., Neenah, Wis. "Royal Ocean," "Royal Seal," "Royal Marvel," "Royal Pilot"
Birmingham Stove & Range Co., Birmingham, Ala. "Acme," "Beacon," "Brunette," "Dragon," "Highlands," "Majic," "Majik Baker," "Perfection," "Red Mountain"
Buckwalter Stove Co., Royersford, Pa.
Buffalo Co-operative Stove Co., Buffalo, N. Y. "Amherst"
Champion Stove Co., Cleveland, O.
Channon-Emery Stove Co., Quincy, Ill. "Neverfail"
Charter Oak Stove & Range Co., St. Louis, Mo.
Chicago Air-Tight Stove Co., Chicago, Ill. "De Luxe," "Radiant Comfort," "Reliable," "Standard," "Statite," "Supreme," "Utility," "Vortex"
Cleveland Co-operative Stove Co., Cleveland, O. "Grand"
Cole Mfg. Co., Chicago, Ill. "Radiant"
Columbus Iron Wks., Columbus, Ga.
Comstock-Castle Stove Co., Quincy, Ill. "Economy," "Economy Mayflower," "Economy Super-Hi"
Co-operative Fdry. Co., Rochester, N. Y. "Red Cross"
Copper Clad Malleable Range Co., St. Louis, Mo. "Twin Flue"
Cox (Abram) Co., Phila., Pa. "Novelty"
Crescent Stove Wks., Evansville, Ind.
Cribben & Sexton Co., Chicago, Ill. "Universal"
Danville Stove & Mfg. Co., Danville, Pa.
Detroit-Michigan Stove Co., Detroit, Mich. "Garland," "Jewel," "Laurel"
Direct Action Stove Co., Div. American Stove Co., Lorain, O.
Dixie Foundry Co., Cleveland, Tenn.
Duffy Trowbridge Stove Fdry., Hannibal, Mo. (Parlor)
Eagle Foundry Co., Belleville, Ill.
Early Foundry Co., Dickson City, Pa. "Dickson," "Leader"
Estate Stove Co., Hamilton, O. "Heatrola"
Eureka Steel Range Co., O'Fallon, Ill.
Excelsior Stove & Mfg. Co., Quincy, Ill. "National"
Fair Fdry. Co., Knoxville, Tenn.
Favorite Stove & Range Co., Piqua, O. "Kozy Heater"
Floyd-Wells Co., Royersford, Pa.
Foster Stove Co., Ironton, O.
Fox Furnace Co., Elyria, O. "Cannon," "Forest City," "Princess," "Radiant," "Royal," "Star Oak," "Sunbeam Cabinet"
Fremont Stove Co., Fremont, O.

STOVES and RANGES, Coal and Wood (Continued)

Fuller-Warren Co., Inc., 32d & Wright., Milwaukee, Wis. "Stewart"
Galusha Stove Co., Inc., Rochester, N. Y. "Norman"
Gem City Stove Co., Dayton, O.
Gem City Stove Mfg. Co., Quincy, Ill.
Germer Stove & Mfg. Co., Erie, Pa. "Radiant Home"
Glascock Stove & Mfg. Co., Greensboro, N. C.
Glenwood Range Co., Taunton, Mass.
Globe American Corp., Kokomo, Ind. "Glow-Boy," "Glow-Maid," "Ray-Boy," "Ray-Maid" (Also Parlor)
Gohmann Bros. & Kahler Co., Inc., New Albany, Ind.
Graff Furnace Co., 116 Wooster, New York, N.Y. "Faultless"
Graham (Jas.) Mfg. Co., San Francisco, Cal. "Wedgewood"
Gray & Dudley Co., Nashville, Tenn. "Martha Washington," "President Washington," "Togo," "Washington"
Great Western Stove Co., Leavenworth, Kan. "Banquet," "Great Western"
Hammer-Bray Co., Oakland, Cal. "Spark"
Hanks Stove & Range Co., Rome, Ga.
Hart Mfg. Co., Louisville, Ky. "O. K."
Hayes-Custer Stove & Furnace Co., Bloomington, Ill. "Admiral," "Normal"
Hemp & Co., Corp., St. Louis, Mo. "Economy," "Ideal," "Kolewood," "Mable," "Mare King," "Noxall," "Queen Down Draft," "Rival," "Victor" (Sheet Iron)
Home Stove Co., Indianapolis, Ind.
Hoosier Stove Co., Marion, Ind.
Howard Stove Co., Beaver Falls, Pa.
Howard Stove & Furnace Co., Ralston, Neb.
Howes (S. M.) Co., Boston, Mass.
Huenefeld Co., Cincinnati, O. "Success" (Wood only)
Huntington Stove & Fdry. Co., Huntington, W. Va.
Independence Stove & Furnace Co., Independence, Mo.
Independent Stove Co., Owosso, Mich. "Renown"
Indiana Stove Wks., Evansville, Ind.
Indianapolis Stove Co., Indianapolis, Ind.
Jackson (Edwin A.) & Bro., 50 Beekman, New York, N. Y. "Franklin"
Jackes-Evans Mfg. Co., 4400 N. Union Blvd., St. Louis, Mo. "Champion," "Cottage," "Delta," "Gem," "J. E.," "Rapid," "Rover," "Ruby," "Tyler," "Victor," "Vulcan"
Janette Mfg. Co., Chicago, Ill.
Jewett & Co., Buffalo, N. Y.
Kalamazoo Stove Co., Kalamazoo, Mich. "Emperor"
Kappler-Fox Fdry. Co., Phila., Pa.
Keeley Stove Co., Columbia, Pa. "Columbian"
Keystone Stove Fdry., Spring City, Pa. "Arbor Keystone," "Cadet," "Chelsea," "Colonial Keystone," "Plymouth Keystone," "Potomac," "Puritan Keystone"
King Stove & Range Co., Sheffield, Ala. "Crown," "King Bee"
Knox Stove Wks., Knoxville, Tenn.
Laurelton Fdry. Co., Laurelton, Pa. "Atlas"
Leonard & Baker Stove Co., Taunton, Mass.
Loth (W. J.) Stove Div. Edison General Electric Appliance Co., Chicago, Ill. "Loth's," "Loth's Special"
Louisville Tin & Stove Co., Louisville, Ky.
Majestic Mfg. Co., St. Louis, Mo. "Great Majestic"
Malleable Iron Range Co., Beaver Dam, Wis. "Monarch"
Malleable Steel Range Mfg. Co., South Bend, Ind. "South Bend Malleable"
Marion Stove Co., Marion, Ind. "Retort"
Mascot Stove Mfg. Co., Chattanooga, Tenn.
Moore Bros. Co., Joliet, Ill.
Mount Penn Stove Wks., Reading, Pa.
Mueller (L. J.) Furnace Co., Milwaukee, Wis. "Furnacette"
New Process Stove Co., Div. American Stove Co., Cleveland, O.
Northwest Metal Products, Inc., Seattle, Wash. "Norwesco," "Western"
Northwestern Stove Co., Chicago, Ill. "Oak Heater"
Oakland Foundry Co., Belleville, Ill. "American," "Columbine," "Pioneer," "Victory"
Orbon Stove Co., Belleville, Ill.
Peninsular Stove Co., Detroit, Mich.
Phillips & Buttorff Mfg. Co., Nashville, Tenn. "Duo-Glo," "Enterprise"
Pittston Stove Co., Pittston, Pa. "Happy Thought," "Lehigh"
Plymouth Fdry. Co., Plymouth, Mass.
Portland Stove Foundry Co., Portland, Me. "Franklin"
Portsmouth Stove & Range Co., Portsmouth, O. "Equity," "Model"
Premier Stove Co., Belleville, Ill. "Perfect Comfort," "Presco"
Premier Warm Air Heater Co., Dowagiac, Mich. "Crusader"
Quakertown Stove Wks., Quakertown, Pa. "Beechwood"
Quick Meal Stove Co., St. Louis, Mo.
Quincy Stove Mfg. Co., Quincy, Ill. "Monogram"
Republic Stove & Mfg. Co., Cleveland, O.
Richardson & Boynton Co., 244 Madison Av., New York, N. Y. "Perfect"
Ringen Stove Co. Div., American Stove Co., St. Louis, Mo.
Rock Island Stove Co., Rock Island, Ill. "Aerona," "Bakewell," "Radinoa," "Riverside"
Rockwood Stove Wks., Rockwood, Tenn.
Roesch Enamel Range Co., Inc., Belleville, Ill.
Round Oak Furnace Co., Dowagiac, Mich. "Arrow," "Chieftain," "Duplex," "Full Porcelain," "Square Base," "Warrior"
Schill Mfg. Co., Crestline, O. "Beauty," "Dauntless," "Ideal," "Premier," "Schill-Crest"
Scranton Stove Works, Scranton, Pa. "Dockash"
Security Stove & Mfg. Co., Kansas City, Mo.
Sheppard (Isaac A.) & Co., Baltimore, Md. "Excelsior"
Sill Stove Wks., Rochester, N. Y.
Somersworth Fdry. Co., Salmon Falls, N. H.
Somerville Stove Wks., Somerville, N. J. "Diamond," "Royal Standard," "Service"
Southern Co-operative Fdry. Co., Rome, Ga.
Southern Stove Wks., Evansville, Ind.
Southern Stove Wks., Richmond, Va. "Tip Top"
Spear (James) Stove & Heating Co., Phila., Pa.
Spence-Baggs Stove Co., Martins Ferry, O.
Standard Stove & Range Co., Rome, Ga.
Star Fdry. Co., Covington, Ky.
Steiger & Kerr Stove & Fdry. Co., San Francisco, Cal.
Stokola Corp., Chicago, Ill.
Stratton & Terstegge Co., Inc., Mfg. Div., Louisville, Ky. "Falls City" (Drum) (Wood)
Summit Stove Co. (Not Inc.), Morrison, Ill.
Taplin-Rice-Clerkin Co., Akron, O. "Climax"
Tappan Stove Co., Mansfield, O. "Joy," "Sterling Tappan"
Tennessee Stove Wks., Chattanooga, Tenn. "Volunteer"
Thatcher Co., Newark, N. J.
Thomas (Oscar G.) Co., Taunton, Mass.
Treasure Stove Co., Gallipolis, O.
Union Stove Wks., 70 Beekman, New York, N. Y. "Avon," "Bronx," "Paragon"
Vesta Gas Range & Mfg. Co., Chattanooga, Tenn.
Walker & Pratt Mfg. Co., Boston, Mass.
Washington Stove Wks., Everett, Wash.
Wehrle Co., Newark, O.
Weiskittel (A.) & Son Co., Baltimore, Md. "Fire King," "Golden Rule," "Patapsco"
Wetter (H.) Mfg. Co., Memphis, Tenn.
White-Warner Co., Taunton, Mass.
Woods-Evertz Stove Co., Springfield, Mo.

STOVES and RANGES, Hotel and Restaurant

American Stove Co., St. Louis, Mo. "Clark Jewel," "Quick Meal," "Reliable"
Automatic Burner Corp., Chicago, Ill. "A.B.C.," "Kleen-Heet"
Comstock-Castle Stove Co., Quincy, Ill. "Economy"
Copper Clad Malleable Range Co., St. Louis, Mo. "Queen"
Detroit-Michigan Stove Co., Detroit, Mich. "Detroit Jewel," "Garland," "Laurel"
Estate Stove Co., Hamilton, O.
Excelsior Stove & Mfg. Co., Quincy, Ill. "National"
Favorite Stove & Range Co., Piqua, O.
Majestic Mfg. Co., St. Louis, Mo. "Smokeater"
Malleable Iron Range Co., Beaver Dam, Wis. "Monarch"
Malleable Steel Range Mfg. Co., South Bend, Ind. "South Bend Malleable"
Peninsular Stove Co., Detroit, Mich.
Pittston Stove Co., Pittston, Pa. "Lehigh"
Roper (Geo. D.) Corp., Rockford, Ill.
Standard Gas Equipment Corp., 18 E. 41st, New York, N. Y. "Vulcan"

STOVES and RANGES, Oil, Wickless

American Stove Co., St. Louis, Mo. "Dangler," "Quick Meal"
Dangler Stove Co., Div. American Stove Co., Cleveland, O.
Detroit Vapor Stove Co., Detroit, Mich. "Red Star"
Florence Stove Co., Gardner, Mass. "Gardner," "Reliance"
Globe Machine & Stamping Co., Cleveland, O. "Everite"
Kappler-Fox Fdry. Co., Phila., Pa.
Lindemann (A. J.) & Hoverson Co., Milwaukee, Wis. "Kerogas," "Premier"
Perfection Stove Co., Inc., 7609 Platt Av., Cleveland, O. "Ivanhoe," "Puritan"

STOVES, Pocket—See Stoves, Alcohol

STOVES, Wood—See Stoves and Ranges, Coal and Wood

STRAIGHT EDGE RAZORS—See Razor, Straight Edge

STRAIGHT EDGES—See Edges, Straight

STRAIGHT TRIMMERS—See Shears and Scissors

STRAIGHT SHANK DRILLS—See Drills, Twist

STRAINER PAILS—See Pails, Milk, Strainer

STRAINER WIRE CLOTH—See Cloth, Wire, Sifter and Strainer

STRAINERS, Bowl—See Strainers, Jelly

STRAINERS, Coffee—See Strainers, Tea and Coffee

STRAINERS, Conductor and Eave Trough

Audubon Wire Cloth Co., Audubon, N. J.
Berger Mfg. Co., Canton, O. "Berlov"
Braden Mfg. Co., Terre Haute, Ind.
Edward Mfg. Co., Cincinnati, O.
Globe Iron Roofing & Corrugating Co., Inc., Newport, Conn.
Grand Rapids Wire Products Co., Grand Rapids, Mich. "Kant Krush"
Hamblin & Russell Mfg. Co., Worcester, Mass.
Jelliff (C. O.) Mfg. Corp., Southport, Conn.
Jelliff (Geo. H.) & Son, New Canaan, Conn.
Klauer Mfg. Co., Dubuque, Ia.
Lamb & Ritchie Co., Cambridge, Mass.
Larson, Chas. O., Sterling, Ill.
Merchant & Evans Co., Phila., Pa.
Meyers (Fred J.) Mfg. Co., Hamilton, O.
Milcor Steel Co., Milwaukee, Wis.
Parker Wire Goods Co., Worcester, Mass.
Racine Iron & Wire Wks., Racine, Wis.
Reeves Mfg. Co., Dover, O.
Rolock, Inc., Southport, Conn.
Scott Roofing & Mfg. Co., Cincinnati, O.
Souther (E. E.) Iron Co., St. Louis, Mo.
Washburn Company, Worcester, Mass.
Wheeling Corrugating Co., Wheeling, W. Va.
Young Hdw. Co., Bellevue, Ia.

STRAINERS, Eave Trough—See Strainers, Conductor and Eave Trough

STRAINERS, Fruit and Vegetable

A. & J. Kitchen Tool Co., Chicago, Ill.
Aluminum Cooking Utensil Co., New Kensington, Pa. "Wear-Ever"
Automatic Canning Devices, Inc., Chicago, Ill. "Seprosiv"
Glenfield Supply Co., Glenfield, Pa.
Hoe Corp., Poughkeepsie, N. Y. "Merryway" (Electric)
Landers, Frary & Clark, New Britain, Conn. (Fruit)
Royal Mfg. Co., Phila., Pa.
Transue & Williams Steel Forging Corp., Alliance, O. "Nirosta" (Stainless Steel)
Tyler Mfg. Co., Muncie, Ind. "Super-Sieve" (Combination)
Utility Mfg. Co., Baltimore, Md.
Washburn Company, Worcester, Mass. "Lemon-Aider"

STRAINERS, Jelly, Etc.

Buckeye Aluminum Co., Wooster, O. "Real Solid"
Everedy Co., Frederick, Md.
Geuder, Paeschke & Frey Co., Milwaukee, Wis.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Illinois Pure Aluminum Co., Lemont, Ill. "American Maid"
Kerr Wire Products Co., Chicago, Ill.
Kewaskum Aluminum Co., Kewaskum, Wis.
Kreamer (A.), Inc., 307 Kent Av., B'klyn, N. Y.
Landers, Frary & Clark, New Britain, Conn. "Aladdin"
National Enameling & Stamping Co., Milwaukee, Wis.
Stover Mfg. & Engine Co., Freeport, Ill.
Tate Mfg. Co., 48 Hanover, Boston, Mass. "Just-The-Thing"
Utility Mfg. Co., Baltimore, Md.
Vollrath Co., Sheybogan, Wis.
Washburn Company, Worcester, Mass. "Sno-Cap"

STRAINERS, Milk

Atlantic Stamping Co., Rochester, N. Y.
Behrens (H.) Mfg. Co., Winona, Minn.
Cherry-Burrell Corp., Cedar Rapids, Ia.
Creamery Package Mfg. Co., Chicago, Ill. "CP"
Geuder, Paeschke & Frey Co., Milwaukee, Wis. "Cream City," "Sky-Test"
Johnson & Johnson, Dairy Filter Prod. Div., New Brunswick, N. J. "Rapid-Flo" (Filter Discs)
National Enameling & Stamping Co., Milwaukee, Wis. (Filter Disc)
Parks & Parks, Troy, N. Y. "Excelsior"
Reeve & Mitchell Co., Phila., Pa. (Cloth)
Savory, Inc., 591 Ferry, Newark, N. J.
Schlueter Mfg. Co., St. Louis, Mo.
Schwartz Mfg. Co., Two Rivers, Wis. "Perfection" (Filter Disc)
Solar-Sturges Mfg. Co., Melrose Park, Ill.
Stratton & Terstegge Co., Inc., Mfg. Div., Louisville, Ky. "Falls City"

STRAINERS, Milk, Disc

Atlantic Stamping Co., Rochester, N. Y.
Johnson & Johnson, Dairy Filter Prod. Div., New Brunswick, N. J. "Rapid-Flo"
National Enameling & Stamping Co., Milwaukee, Wis. Clark's"
Purity Stamping Co., Battle Creek, Mich. "Dr.
Reeve & Mitchell Co., Phila., Pa. "N.B.P."
Schwartz Mfg. Co., Two Rivers, Wis. "Perfection"

STRAINERS, Paint

Bosworth (E. J.) Specialty Co., Rochester, N. Y.
Farrington (Chas. E.) Co., Phoenixville, Pa.
Gagnier Paint Co., Detroit, Mich.
Great Western Mfg. Co., Leavenworth, Kan.
Hyde Mfg. Co., Southbridge, Mass.
Newark Wire Cloth Co., 351 Verona Av., Newark, N. J.
Ridgely Trimmer Co., Springfield, O.

STRAINERS, Sink

Aluminum Cooking Utensil Co., New Kensington, Pa.
American Brass & Copper Co., 80 Lafayette, New York, N. Y.
Bellaire Enamel Co., Bellaire, O. "Beco"
Bignall Co., Medina, N. Y.
Columbian Enameling & Stamping Co., Terre Haute, Ind.
Federal Enameling & Stamping Co., McKees Rocks, Pa. "Old Holland"
Geuder, Paeschke & Frey Co., Milwaukee, Wis. "Cream City"
Gray Iron Foundry Co., Reading, Pa.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Keystone Brass & Rubber Co., Phila., Pa.
Kitchen Katch-All Corp., Greenwich, O. (Garbage Can Strainers)
Master Metal Products, Inc., Buffalo, N. Y. "No-Drip," "Sanette"
Minerva Mfg. Co., Minerva, O.
Modern Iron Wks., Quincy, Ill.
National Enameling & Stamping Co., Milwaukee, Wis.
Parker Wire Goods Co., Worcester, Mass.
Powell Pressed Steel Co., Hubbard, O. "Utility"
Rodale Mfg. Co., Inc., Emaus, Pa.
Savory, Inc., 591 Ferry, Newark, N. J.
Scovill Mfg. Co., Plumbers' Brass Goods Div., Waterville, Conn.
Steel & Johnson Mfg. Co., Waterbury, Conn.
Steel Stamping Co., Lorain, O.
U. S. Hardware & Mfg. Co., Pawtucket, R. I.
U. S. Stamping Co., Moundsville, W. Va.
Utility Mfg. Co., Baltimore, Md.
Vollrath Co., Sheboygan, Wis.
Wagner Mfg. Co., Sidney, O.
Washburn Company, Worcester, Mass.
Waterbury Mfg. Co., Waterbury, Conn.

STRAINERS, Soup—See Strainers, Jelly, Etc.

STRAINERS, Tea and Coffee

A. & J. Kitchen Tool Co., Chicago, Ill.
Aluminum & Metal Products Corp., Buffalo, N. Y. "Magic"
Aluminum Goods Mfg. Co., Manitowoc, Wis.
American Aluminum Ware Co., 374 Jeliff Av., Newark, N. J. "Peerless"
Buckeye Aluminum Co., Wooster, O. "Real Solid"
Fargo Aluminum Co., Taunton, Mass.
Hamlin & Russell Mfg. Co., Worcester, Mass. "Hub," "Never Tip," "No Wobble"
Jewett Stamping & Enameling Co., Jewett, O.
New York Stamping Co., N. 11th & Berry, B'klyn, N. Y.
Parker Wire Goods Co., Worcester, Mass.
Standard Aluminum Co., Two Rivers, Wis.
U. S. Stamping Co., Moundsville, W. Va.
Utility Mfg. Co., Baltimore, Md.
Vollrath Co., Sheboygan, Wis.
Washburn Company, Worcester, Mass. "Sno-Cap"

STRAINERS, Well

Cook (A. D.), Inc., Lawrenceburg, Ind.
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O.
Youngstown Steel Products Co., Youngstown, O. "Mark"

STRAP HINGES—See Hinges, Strap

STRAP HOOKS—See Hooks, Strap

STRAP AND HOOK HINGES—See Hinges, Hook and Strap

STRAP WRENCHES—See Wrenches, Strap

STRAPS and STRAPPING, Box

Acme Steel Co., 2838 Archer Av., Chicago, Ill. "Nailezy" (Also Nailless)
American Box Strapping Co., Inc., 212 Van Brunt, B'klyn, N. Y. "Paragon," "Royal"
Brainerd Mfg. Co., East Rochester, N. Y.
Cary Products Co., Inc., 126 Nassau, B'klyn, N. Y. "Universal"
Consolidated Steel Strapping Co., Chicago, Ill. (Steel) "Apex," "Signode"
Gerrard Co., Inc., Chicago, Ill.
Robertson (W. F.) Steel & Iron Co., Cincinnati, O.
Stanley Works, New Britain, Conn. "Security," "Twinrold" (Also Colorgraph)
Wire & Steel Products Co., Inc., 212 Van Brunt, B'klyn, N. Y. "Paragon," "Royal"

STRAPS, Conduit—See Straps, Pipe and Conduit

STRAPS, Cow Bell—See Straps, Leather

STRAPS, Fish Basket

Alward-Anderson-Southard Co., Chicago, Ill.
Lawrence (Geo.) Co., Portland, Ore.
Red Head Brand Co., Chicago, Ill.
Standard Belt Co., Chelsea, Mass.
Wyeth Hdw. & Mfg. Co., St. Joseph, Mo.

STRAPS, Jock

Athletic Wear Mfg. Co., Irvington, N. J.
Collis (H. J.) Mfg. Co., Taunton, Mass.
Dicke Tool Co., Downers Grove, Ill.
Draper-Maynard Co., Plymouth, N. H.
Goldsmith's (P.) Sons, Cincinnati, O.
Graton & Knight Co., Worcester, Mass.
Ken-Wel Sporting Goods Co., Utica, N. Y.
Klein (Mathias) & Sons, Chicago, Ill.
Leeland Surgical Co., Conshohocken, Pa.
Martin Bros., Middlesboro, Ky.
New Energy Appliance Co., Boston, Mass.
Ohio Truss Co., Cincinnati, O.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Ware (Walter F.) Co., Phila., Pa.

STRAPS, Leather

Arlington Leather Belting Co., Arlington, N. J. "A B C"
Baltimore Leather Goods Co., Baltimore, Md.
Boston Leather Specialties, Inc., Everett, Mass.
Decker, J. C., Inc., Montgomery, Pa.
Detroit Leather Wks., Detroit, Mich.
Dyer Mfg. Co., Milwaukee, Wis.
Economy Mfg. Co., Phila., Pa.
Graton & Knight Co., Worcester, Mass.
Hess & Hopkins Leather Co., Rockford, Ill. "Honest Leather"
Hide Leather & Belting Co., Indianapolis, Ind.
Hudson Belting Co., Worcester, Mass.
Illinois Mechanical Leather Co., Chicago, Ill.
Klein (Mathias) & Sons, 3200 Belmont Av., Chicago, Ill. (Climbers)
Lefkowitz (Louis) & Bro., 1 Greene, New York, N. Y.
Naylon-Pierson-Hough Co., Detroit, Mich. "Peer-Ho"
Perkins-Campbell Co., Cincinnati, O. "Campbell"
Pine, Geo. D., 89 Chambers, New York, N. Y.
Roth (G. A.) Mfg. Co., Hastings, Neb. "Red Cat"
Southern Saddlery Co., Chattanooga, Tenn.
Standard Belt Co., Chelsea, Mass.
Sturges Mfg. Co., Inc., Utica, N. Y.

STRAPS, Pipe and Conduit

Alsteel Mfg. Co., Battle Creek, Mich.
Diamond Expansion Bolt Co., 48 W. B'way, New York, N. Y.
Larson, Chas O., Sterling, Ill.
Merwin Mfg. Co., Erie, Pa.
North-Western Stamping Co., Burlington, Ia.
Wall (P.) Mfg. Supply Co., 3126-3166 Preble Av., Pittsburgh, Pa.

STRAPS, Skate

Alward-Anderson-Southard Co., Chicago, Ill.
Brauer Bros., Inc., St. Louis, Mo.
California Tanning Co., St. Louis, Mo.
Chicago Belting Co., Chicago, Ill.
Chicago Roller Skate Co., Chicago, Ill.
Collis (H. J.) Mfg. Co., Taunton, Mass.
Decker, J. C., Inc., Montgomery, Pa.
Detroit Leather Wks., Detroit, Mich.
Dyer Mfg. Co., Milwaukee, Wis.
Economy Mfg. Co., Phila., Pa.
Graton & Knight Co., Worcester, Mass.
Hide Leather & Belting Co., Indianapolis, Ind.
Houghton (E. F.) & Co., Phila., Pa.
Jewell Belting Co., Hartford, Conn.
Johnson (Alfred) Skate Co., Chicago, Ill.
Kohl & Kohl, Chicago, Ill.
Lefkowitz (Louis) & Bro., 1 Greene, New York, N. Y.
McLanathan (F. W.) & Sons, Lawrence, Mass.
Page Belting Co., Concord, N. H.
Pine, Geo. D., 89 Chambers, New York, N. Y.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Rome Sporting Goods Mfg. Co., Rome, N. Y.
Russell Mfg Co., Middletown, Conn.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Standard Belt Co., Chelsea, Mass.
Union Hdw. Co., Torrington, Conn.
Warren Leather Goods Co., Worcester, Mass.
Weed (L. M.) Co., Binghamton, N. Y.
Woodworth Mfg. Co., Springfield, Mass.

STRAPS, Tire—See Straps, Leather

STRAPS, Trunk

Curry (J. W.) Co., Cincinnati, O.
Economy Mfg. Co., Phila., Pa.
Gilmer (L. H.) Co., Phila., Pa.
Pine, Geo. D., 89 Chambers, New York, N. Y.
Standard Belt Co., Chelsea, Mass.

STRAPS, Webbing

Buffalo Weaving & Belting Co., Buffalo, N. Y.
Hope Webbing Co., Providence, R. I.
Powers Mfg. Co., Waterloo, Ia.
Sturges Mfg. Co., Inc., Utica, N. Y.
Taylor (C. A.) Trunk Wks., Chicago, Ill.

STRAPPING BOX—See Straps and Strapping Box

STRAPPING TIGHTENERS, Box—See Tighteners, Box Strapping

STRAWBERRY HULLERS—See Hullers, Strawberry

STREET BROOMS—See Brooms, Street

STRETCHERS, Carpet

Harper, A. K., Fairfield, Ia.
Johnson (William), Inc., 86 Brenner, Newark, N. J.
Kraeuter & Co., 583 18th Av., Newark, N. J.
Mallory, C. M., Albion, N. Y.
Osborne (C. S.) & Co., Box 183, Newark, N. J.
Pratt (Wm. E.) Mfg. Co., Chicago, Ill.
Stortz (John) & Son, Phila., Pa.
Taylor Mfg. Co., Hartford, Conn. "Yankee"

STRETCHERS, Curtain

Acme, Hough, Mfg. Co., Pittsburgh, Pa.
Buffalo Curtain Stretcher Co., Inc., Buffalo, N. Y.
Chicago Curtain Stretcher Co., Chicago, Ill. "Dependable," "No-Piece"
Davis Mfg. Co., Clinton, Me. "Ideal"
Holmquist & Co., Chicago, Ill. "Home-Kissed"
Holmquist & Swanson, Chicago, Ill. "National Champion"
Illinois Specialty Co., Tuscola, Ill.
Kautenberg (W. E.) Co., Inc., Freeport, Ill. "Jiffy"
Sterling Woodenware Co., Sterling, Ill. "Crakerjac"
Wagner Curtain Stretcher Co., Greensburg, Pa. "Dewey"
Western Newell Mfg. Co., Freeport, Ill. (Pinless)

STRETCHERS, Fence and Wire

(See also Pullers, Wire)

American Steel & Wire Co., 208 S. La Salle, Chicago, Ill. "Lett," "National"
Arcade Mfg. Co., Freeport, Ill. "Elwood"
Crescent Tool Co., Jamestown, N. Y. "Red Devil"
Cyclone Fence Co., Waukegan, Ill.
Franklin Equipment Co., Monticello, Ia.
Hall Mfg. Co., Cedar Rapids, Ia.
Hudson (H. D.) Mfg. Co., Chicago, Ill. "Strickler"
Jackson Fence Co., Jackson, Mich. "Double Jack"
Keystone Steel & Wire Co., Peoria, Ill. "Samson"
Kitselman Bros., Muncie, Ind.
Louden Mchy. Co., Fairfield, Ia. "Heisey," "Improved," "Perfect," "Tackle"
Mid-States Steel & Wire Co., Crawfordsville, Ind.
Milwaukee Hay Tool Co., Layton Pk., Milwaukee, Wis. "Dandy," "Eclipse"
Ney Mfg. Co., Canton, O. "Ellwood," "Gem," "Great Western," "Improved Ellwood," "Ohio," "Premier," "Royal Blue"
Northwestern Barb Wire Co., Inc., Sterling, Ill. "Dillon"
Page Steel & Wire Co., Monessen, Pa.
Peerless Wire Fence Co., Adrian, Mich. "Double Jack"
Pittsburgh Steel Co., Pittsburgh, Pa.
Pratt (Wm. E.) Co., Chicago, Ill. "Perfect"
Richards-Wilcox Mfg. Co., Aurora, Ill. "Dragon," "R-W Ellwood," "R-W Giant," "R-W Hercules"
Ridgely Trimmer Co., Springfield, O.
Smith (C. F.) Mfg. Co., DeKalb, Ill. "Franklin"
Starline, Inc., Harvard, Ill. "Ellwood," "Giant Star," "Giant Star Jr," "Little Giant," "Sampson," "Star"
Sterling Foundry Co., Sterling, Ill. "Best Ratchet"
Threlkeld Spring Bolster Co., Waterloo, Ia. "Little Giant"
Townsend, B. W., Painted Post, N. Y.
Von Steen (John H.) Co., Beatrice, Neb. "Franklin"
Warren Tool & Forge Co., Warren, O. "Neverslip"
Wrightsville Hdw. Co., Wrightsville, Pa.

STRETCHERS, Wire—See Pullers, Wire

STRIKING BALLS—See Balls, Medicine

STRIKING BAG BLADDERS—See Bladders, Foot Ball, Etc.

STRIKING BAG MITTS—See Mitts, Striking Bag

STRIKING BAGS—See Bags, Punching

STRINGERS, Fish

Boyer Mfg. Co., Winona Lake, Ind. "Keep Alive," "Winona"
Economy Mfg. Co., Akron, O.
Enterprise Mfg. Co., Dept. HA, Akron, O.
Heddon's (Jas.) Sons, Dowagiac, Mich.
Hildebrandt (J. J.) Co., Logansport, Ind.
Millsite Steel & Wire Wks., Howell, Mich. "Keep-Em-Alive"
Paw Paw Bait Co., Paw Paw, Mich.

STRIP, Dustproofing—See Weatherstrip

STRIP STEEL—See Steel, Cold Rolled Strip; also Steel, Hot Rolled Strip

STRIP, Weather—See Weatherstrip

STROPPERS, Blade, Safety Razor

(See also Strops, Razor)

American Hone Co., Olean, N. Y.
Bello Corp., Gardner, Mass.
Edge-Bak Sales Corp., 10 E. 40th, New York, N.Y.
Ericsson Safety Razor Co., Inc., 609 Bergen, B'klyn, N. Y.
Geneva Cutlery, Inc., Geneva, N. Y. "Genco"
Hartford Products Corp., Hartford, Conn. "Ritz"
Ingersoll (Robert H.), Inc., 45 Lispenard, New York, N. Y.
Never Fail Co., Toledo, O.
Norton Pike Co., Pike, N. H. "X-N-TRIK"
Pullman Mfg. Co., Inc., Rochester, N. Y.
Segal Safety Razor Corp., 12 Warren, New York, N. Y.
Twinplex Sales Co., St. Louis, Mo.

STROPS, Razor

(See also Stroppers, Blade, Safety Razor)

bisaid (John G.) Mfg. Co., Boston, Mass.
llegretti Mfg. Co., Geneva, N. Y.
merican Hone Co., Olean, N. Y. "Edge-ucator"
ker (H.) & Co., 101 Duane, New York, N. Y.
se (W. R.) & Sons Cutlery Co., Bradford, Pa.
attaraugus Cutlery Co., Little Valley, N. Y.
eneva Cutlery, Inc., Geneva, N. Y. "Genco"
illette Safety Razor Co., Boston, Mass. "Valet Autostrop"
ollinger Cutlery Co., Fremont, O.
oward's (S. E.) Son Co., 1150 B'way, New York, N. Y. "Bunker Hill," "Chas. Emerson," "Currier," "Eagle," "Faultless," "General," "Imperial," "Kleanshave," "Mercer," "Regimental," "Samson," "Standard"
oken Cos., St. Louis, Mo.
orn (Geo. W.) Razor Mfg. Co., Little Valley, N.Y.
oveless (L. W.) Mfg. Co., Lafayette, Ind. "Magic"
ever Fail Co., Toledo, O.
orton Pike Co., Pike, N. H. "Army & Navy," "Cordovan," "Horse Shell," "Newshell"
ovelty Cutlery Co., Canton, O. "Angle Climax"
ine, Geo. D., 89 Chambers, New York, N. Y.
uadriga Mfg. Co., Chicago, Ill. "Zig Zag"
eppenhagen, M. E., Highland Falls, N. Y.
hodes Mfg. Co., St. Louis, Mo. "Kriss-Kross"
iordan (T. G.) Mfg. Co., Chicago, Ill.
obeson Cutlery Co., Rochester, N. Y.
umate Cutlery Corp., St. Louis, Mo.
antorbach Co., Adrian, Mich.
orrence (J. S.) Sales Co., Los Angeles, Cal. "Manganese Fiber"
winplex Sales Co., St. Louis, Mo.
nion Cutlery Co., Olean, N. Y. "Ka-Bar"

TRUCTURAL RIVETS—See Rivets, Structural

TUCCO BRUSHES—See Brushes, Stucco

TUD BOLTS—See Bolts, Stud

TUDS, Belt

ark Bros. Bolt Co., Milldale, Conn.
anufacturers' Belt Hook Co., Chicago, Ill. "LX"
ttemiller (Wm. H.) Co., York, Pa.
estern Automatic Machine Screw Co., Elyria, O.

TUFFED ANIMALS, Toy—See Animals, Toy, Stuffed

TUFFED DOLLS—See Dolls, Stuffed

TUFFERS, Sausage

terprise Mfg. Co. of Pa., Phila., Pa.
lwick, B. C., Canton, O. (Electric)
anders, Frary & Clark, New Britain, Conn.
urray Iron Wks., Co., Burlington, Ia.
ational Specialty Mfg. Co., Phila., Pa.
ck Island Mfg. Co., Rock Island, Ill.
lem Tool Co., Salem, O. "Silver," "Wagner"
ith's (John E.) Sons Co., Buffalo, N. Y. "Buffalo"
ion Mach. Wks. & Iron Foundry, Phila., Pa.
ited Steei & Wire Co., Battle Creek, Mich.

UMP PULLERS—See Pullers, Stump

BMARINES, Toy—See Boats, Toy, Mechanically Operated

CTION SWEEPERS—See Cleaners, Vacuum

IT CASE LOCKS—See Locks, Suit Case

ITS, Base Ball—See Uniforms, Base Ball

ITS, Bathing

rn Knitting Mills, Phila., Pa.
erican Knitting Co., Honesdale, Pa.
ury Mills, 200 Madison Av., New York, N. Y. "Sunkist"
per-Maynard Co., Plymouth, N. H.
eral Athletic Products Co., Greenville, O.
dsmith (P.) Sons Co., Cincinnati, O.
era Mills Co., Winston-Salem, N. C.
tzen Knitting Mills, Portland, Ore.
bury Atlantic, Inc., 1328 B'way, New York, N. Y.
ch (A. J.) Wright & Ditson, Inc., Phila., Pa.
ll & Dean Mfg. Co., Brockton, Mass.
msafe Products Co., Chattanooga, Tenn.
son-Western Sporting Goods Co., Chicago, Ill.

ITS, Children's, Play

kie, S., 779 B'way, New York, N. Y.
ards (A. D.) & Son, Los Angeles, Cal.
awley & Co., Baltimore, Md.
kman Bros. Co., 1199 B'way, New York, N. Y.
ity Garment Co., Portland, Ore.
wam Co., Syracuse, N. Y.

TS, Foot Ball—See Uniforms, Foot Ball

DIALS—See Dials, Sun

PPLIES, Dairy

son & Johnson, Dairy Filter Prod. Div., New Brunswick, N. J. "RAPID-FLO" (Milk Filter Discs)
Manning Mfg. Co., Rutland, Vt.
Mast, Foos & Co., Springfield, O.
Reeve & Mitchell Co., Phila., Pa. (Disc Strainers)
Reid (A. H.) Creamery & Dairy Supply Co., Phila., Pa.
Schwartz Mfg. Co., Two Rivers, Wis. "Perfection" (Milk Filter Disc)

SUPPLIES, Kitchen, Hotel and Restaurant

Aldrich Mfg. Co., Buffalo, N. Y.
Buckeye Pottery Co., Macomb, Ill. "Blue Ribbon"
Dougherty (W. F.) & Sons, Inc., Phila., Pa. "Superior"
Jennings Silver Co., Inc., Irvington, N. J. (Cafeteria & Soda Fountain)
Lalance & Grosjean Mfg. Co., Woodhaven, L. I., N. Y. "Crusader Ware" (Alleghaney Metal)
National Enameling & Stamping Co., Milwaukee, Wis.

SUPPLIES, Plumbers'—See article desired

SUPPLIES, Poultry—See Poultry Supplies; also article desired

SUPPORTERS, Ankle

Brauer Bros., Inc., St. Louis, Mo. "Moose Brand"
Brewer & Co., Inc., Worcester, Mass.
Brine (Jas. W.) Co., Boston, Mass.
Collis (H. J.) Mfg. Co., Taunton, Mass.
Draper-Maynard Co., Plymouth, N. H.
Goldsmith's (P.) Sons, Cincinnati, O.
Graton & Knight Co., Worcester, Mass.
Ken-Wel Sporting Goods Co., Utica, N. Y.
Lane Mfg. Co., Rockland, Mass.
Martin Bros., Middlesboro, Ky.
Nathan Products Corp., 157 Prospect Av., New York, N. Y.
Orthopedic Appliance Co., Milwaukee, Wis.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.) Wright & Ditson, Inc., Phila., Pa.
Rome Sporting Goods Mfg. Co., Rome, N. Y.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stall & Dean Mfg. Co., Brockton, Mass.
Wright Specialty Mfg. Co., St. Louis, Mo.

SUPPORTERS, Athletic

American Silver Truss Corp., Coudersport, Pa.
Athletic Wear Mfg. Co., Irvington, N. J.
Brewer & Co., Inc., Worcester, Mass.
Carr (Chas. C.) Co., Indianapolis, Ind.
Collis (H. J.) Mfg. Co., Taunton, Mass.
Draper-Maynard Co., Plymouth, N. H.
General Athletic Products Co., Greenville, O.
Goldsmith's (P.) Sons, Cincinnati, O.
Lane Mfg. Co., Rockland, Mass.
Martin Bros., Middlesboro, Ky.
Nathan Products Corp., 157 Prospect Av., New York, N. Y.
Orthopedic Appliance Co., Milwaukee, Wis.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Rome Sporting Goods Mfg. Co., Rome, N. Y.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stall & Dean Mfg. Co., Brockton, Mass.
Utzathletic Accessory Co., Toledo, O.
Van Cott Bros., 112 W. 18th, New York, N. Y.
Ware (Walter F.) Co., Phila., Pa.
Warren Leather Goods Co., Worcester, Mass.

SUPPORTERS, Gutter, Roof—See Hangers, Eaves Trough and Conductor Pipe

SUPPORTERS, Jock—See Straps, Jock

SUPPORTS, Shelf

(See also Brackets, Shelf; also Rests, Shelf)

Chicago Hdw. Foundry Co., North Chicago, Ill.
Coleman Hdw. Co., Inc., Chicago, Ill.
Corbin, P. & F., New Britain, Conn.
Grey Iron Casting Co., Mt. Joy, Pa.
Knape & Vogt Mfg. Co., Grand Rapids, Mich.
National Lock Co., Rockford, Ill.
Reading Hdw. Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn. "Russwin"
Sargent & Co., New Haven, Conn.
Stover Mfg. & Engine Co., Freeport, Ill.
United States Glass Co., Pittsburgh, Pa.
Weber-Knapp Co., Jamestown, N. Y.
Yale & Towne Mfg. Co., Stamford, Conn.

SUPPORTS, Table Leaf

G.G.G. Metal Stamping Co., Warren, Pa.
Sargent & Co., New Haven, Conn. "Bradfords"

SUPPORTS, Wire, Plant and Shrub

Adams Co., Dubuque, Ia.
Alexander (Geo. E.) & Son, Sunapee, N. H. (Tomato Vine)
Cyclone Fence Co., Waukegan, Ill.
Michigan Wire Goods Co., Niles, Mich. "Androck"

SURFACE FILE HOLDERS—See Holders, Surface File

SURFACE FLUSH RECEPTACLES—See Receptacles, Flush

SURFACE GAGES—See Gages, Surface

SURVEYING INSTRUMENTS—See Instruments, Mathematical and Surveying

SUSPENSORIES—See Supporters, Athletic

SUSTAINERS, Sash

Austral Window Co., 101 Park Av., New York, N. Y.

SWAGES, Upset

Atkins (E. C.) & Co., Indianapolis, Ind. "Ideal," "Pribnow"
Disston (Henry) & Sons, Inc., (Tacony), Phila., Pa.
Simonds Saw & Steel Co., Fitchburg, Mass.

SWATTERS, Fly

American Badge Co., Chicago, Ill.
Auburn Rubber Co., Auburn, Ind. "Clean Swat," "O-Kay"
Bouquet-Brownson Co., St. Paul, Minn. "B B," "Bo-Kay"
Cupples Co., St. Louis, Mo.
Drake (A. W.) Mfg. Co., Hazelton, Pa.
Erickson (C. E.) & Co., Des Moines, Ia. (Adv.)
Gatch Brush & Wire Goods Co., Baltimore, Md.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Hoaglin, F. L., Waupaca, Wis. "Badger"
Kool Kooshion Mfg. Co., Oklahoma City, Okla. "Fyber"
Lubbers & Bell Mfg. Co., Clinton, Ia. "Ajax," "Bingo," "Blackhawk," "Hawkeye," "Jackson," "Samson," "Standard Assortment," "Swat-Set"
Mangolds, San Jose, Cal.
Merrifield Co., Springvale, Me. "Champion"
Metallic Mfg. Co., Collins, Wis.
Parker Wire Goods Co., Worcester, Mass. "Easy," "Eureka"
Quality Mfg. Co., Inc., Woburn, Mass.
Somers, Harold, 150 De Kalb Av., B'klyn, N. Y. "Daisy"
Timberlake (J. B.) & Sons, Jackson, Mich. "Gem," "Jason"
U. S. Mfg. Co., Decatur, Ill. "Celo-Straw," "Kantmar," "Kantmis," "King," "National," "Princess," "Queen," "Regal," "Ridg-Flex," "Royal," "Swatem," "Swatmor," "Swatsticka"
Warner Hdw. Spec. Co., Kansas City, Mo. "Raven"
Washburn Company, Worcester, Mass.
Wilson-Hurd Co., Wausau, Wis. "Getsum"

SWEAT PADS—See Pads, Horse Collar

SWEATERS

Alberta Mills, Inc., Phila., Pa. "Duralastic"
American Knitting Co., Honesdale, Pa.
Ascher (Simon) & Co., 1 E. 35th, New York, N.Y.
Bailey Knitting Mills, Fort Plain, N. Y.
Bergman Knitting Mills (Germantown), Phila., Pa.
Delson Mfg. Co., Chicago, Ill.
Draper-Maynard Co., Plymouth, N. H.
Gantner & Mattern Co., San Francisco, Cal.
General Athletic Products Co., Greenville, O.
Great Western Knitting Co., Milwaukee, Wis.
Highland Shaker Sweater Co., Camden, N. J.
Hirshey Knitting Mills, Chicago, Ill.
Hirshfeld (J. B.) & Co., 349 B'way, New York, N. Y.
Hitchcock & Curtiss Knitting Co., Hartford, Conn.
Horstmann (Wm. H.) Co., Phila., Pa.
Imperial Knitting Co., Milwaukee, Wis.
Keller Knitting Co., Cleveland, O.
Lamb Knit Goods Co., Colon, Mich.
Lion Knitting Mills Co., Cleveland, O.
Mallory Cons. Knitting Mills, Inc., 1410 B'way, New York, N. Y.
Marinette Knitting Mills, Marinette, Wis.
Milbury Atlantic Co., 1328 B'way, New York, N.Y.
Morgan Knitting Mills, Inc., Newark, N. J.
Nusbaum, D., Union Course, L. I., N. Y.
Oaks Bros., Jamaica Plains, Mass.
O'Shea Knitting Mills, Chicago, Ill.
Pennsylvania Knitting Mills, Phila., Pa.
Puritan Knitting Mills, Phila., Pa.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.) Wright & Ditson, Inc., Phila., Pa.
Roper Knitting Co., Inc., Canandaigua, N. Y.
Shaker Knitting Mills Co., Chicago, Ill.
Sheplan, Sabul & Palmer, Phila., Pa.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stall & Dean Mfg. Co., Brockton, Mass.
Standard Knitting Co., Cleveland, O.
Union Mills, Inc., Hudson, N. Y.
Webber, Geo. F., Detroit, Mich.
Wilson-Western Sporting Goods Co., Chicago, Ill.
Zwicker Knitting Mills, Appleton, Wis.

SWEATERS, Dog

Baltimore Leather Goods Co., Baltimore, Md.
Brauer Bros., Inc., St. Louis, Mo.
Buchheimer-Marshall Co., Baltimore, Md.
Craftsman Leather Specialty Co., Dayton, O.
Graton & Knight Co., Worcester, Mass.
Imperial Knitting Co., Milwaukee, Wis.
Ratcliffe, Walter C., Phila., Pa.

SWEEPERS, Carpet

(See also Cleaners, Vacuum, Hand)

Adler Mfg. Co., Louisville, Ky. "Adler-Royal"
Bissell Carpet Sweeper Co., Grand Rapids, Mich. "Apartment," "Broad-way," "Champion," "Domestic," "Elite," "Grand Rapids," "Hi-Lo," "Princess," "Queen," "Reliance," "Universal," "Utility"
Leonard Metal Wks., Kankakee, Ill.
Metal Stampings Corp., Streator, Ill. "Eureka," "Sterling," "Streator"
Modern Carpet Sweeper Co., Inc., 107 N. 3rd, B'klyn, N. Y.
Porter Steel Specialties, Shelbyville, Ind.
Vital Mfg. Co., Cleveland, O. (Dustless)

SWEEPERS, Carpet, Toy

Bissell Carpet Sweeper Co., Grand Rapids, Mich. "Junior," "Little Gem," "Little Helper," "Little Jewel," "Little Queen"
Hoge Mfg. Co., Inc., 28 E. 21st, New York, N. Y. "Busy Betty"
Metal Stampings Corp., Streator, Ill.
North Ridge Brush Co., Inc., Freeport, Ill.
Patent Novelty Co., Inc., Fulton, Ill. "Fulton Jr."
Wolverine Supply & Mfg. Co., Pittsburgh, Pa. "Sandy Andy"

SWEEPERS, Crumb

Bersted Mfg. Co., Chicago, Ill. "Lightning"
Wilmort Mfg. Co., Chicago, Ill.

SWEEPERS, Lawn

Pennsylvania Lawn Mower Wks., Inc., Primos, Del. Co., Pa.
Phila. Lawn Mower Co., Inc., Phila., Pa.
Springfield Lawn Sweeper Co., Springfield, O.

SWEEPERS, Vacuum—See Cleaners, Vacuum

SWEEPING PANS—See Pans, Dust

SWIMMING DEVICES—See Water Wings; also Tubes, Swimming

SWIMMING TUBES—See Tubes, Swimming

SWINGING BLACKBOARDS — See Blackboards, Swinging

SWINGS, Baby

American Mfg. Concern, Falconer, N. Y.
Benner Mfg. Co., Lancaster, Pa.
Birchcraft, Inc., Waukesha, Wis.
Ermet Products Co., Indianapolis, Ind.
Gem Mfg. Co., Bascom, O.
Gordon Motor Crib Co., Port Chester, N. Y.
Goshen Mfg. Co., Goshen, Ind.
North Vernon Lumber Co., North Vernon, Ind.
Perfection Mfg. Co., St. Louis, Mo. "Rock-a-Bye"
Queen Mfg. Co., Chicago, Ill.
Silver's Mfg. Co., Chicago, Ill.

SWINGS, Children's

Algoma Net Co., Inc., Algoma, Wis. "Trumaid"
American-Acme Co., Emigsville, Pa.
American-National Co., Toledo, O.
Converse-Mason Corp., Winchendon, Mass.
Everwear Mfg. Co., Springfield, O.
Folding Furniture Wks., Stevens Point, Wis.
Gem Mfg. Co., Bascom, O. "Little Gem"
Illinois Specialty Co., Tuscola, Ill. "Star"
Jamison (Robert W.) Mfg. Co., Los Angeles, Cal.
Medart Co., St. Louis, Mo.
Merremaker Corp., Minneapolis, Minn.
Methlcraft Corp., St. Louis, Mo.
Morot Co., Chicago, Ill.
Perfection Mfg. Co., St. Louis, Mo. "Rock-a-Bye"
Queen City Toy Co., Cincinnati, O.
Standard Pressed Steel Co., Jenkintown, Pa.
Starline, Inc., Harvard, Ill.
Steel Basket & Mfg. Co., Cedar Rapids, Ia.
Superior Ladder Co., Goshen, Ind.
Valentine-Glascock Co., Muncie, Ind.

SWINGS, Doll

Cass (N. D.) Co., Athol, Mass.
Converse-Mason Corp., Winchendon, Mass.
Gem Mfg. Co., Bascom, O.
Harvey Mfg. Co., Columbus, O.
Parker Mfg. Co. Auburn, Me.
Triumph Couch Bed Co., Jamaica Plain, Mass.

SWINGS, Lawn

American-Acme Co., Emigsville, Pa.
Appleton Toy & Furniture Co., Appleton, Wis.
Challenge Co., Batavia, Ill. "Peerless," "Red Star," "Snow"
Clippinger (A. B.) & Sons Mfg. Co., Kansas City, Kan.
Davis & Siehl Co., Cincinnati, O.
Eureka Mower Co., Utica, N. Y.
Gem Mfg. Co., Bascom, O.
Giant Mfg. Co., Council Bluffs, Ia.
Goshen Churn & Ladder Co., Goshen, Ind.
Goshen Mfg. Co., Goshen, Ind.
Jamison (Robert W.) Mfg. Co., Los Angeles, Cal.
Logan Co., Louisville, Ky.
Medart Co., St. Louis, Mo.
Merremaker Corp., Minneapolis, Minn.
Mordt Co., Chicago, Ill.
North Vernon Lumber Mills, North Vernon, Ind.
Paris Mfg. Co., South Paris, Me.
Superior Ladder Co., Goshen, Ind.
Williams Mfg. Co., Macon, Ga. "So-Ezy"
Young (J. O.) Co., Springfield, Mass.

SWINGS, Porch

Appleton Toy & Furniture Co., Appleton, Wis.
Atlas Hammock Co., 53 E. 25th, New York, N.Y.
Austell Cabinet Co., Austell, Ga.
Buch Mfg. Co., Elizabethtown, Pa. "Two-In-One"
Carriage & Toy Co., Baltimore, Md.
Columbus Swing Co., Columbus, O.
Gem Mfg. Co., North Girard, Pa.
Goshen Churn & Ladder Co., Goshen, Ind.
Goshen Mfg. Co., Goshen, Ind.
Harriman Mfg. Co., Harriman, Tenn.
Holden (A. S.), Inc., Cleveland, O.
Hunt Spring Bed Co., Chattanooga, Tenn.
Illinois Specialty Co., Tuscola, Ill.
Logan Co., Louisville, Ky.
North Vernon Lumber Mills, North Vernon, Ind.
St. Charles Net & Hammock Co., St. Charles, Ill.
Specialty Mfg. Co., Titusville, Pa.
Standard Novelty Wks., Duncannon, Pa.
Superior Hay Stacker Mfg. Co., Linneus, Mo.
Superior Ladder Co., Goshen, Ind.
United States Wire Mat Co., Decatur, Ill.
Walkerton Ladder Co., Walkerton, Ind.
Williams Mfg. Co., Macon, Ga.

SWISS PATTERN FILES—See Files, Swiss Pattern

SWITCH LOCATORS—See Locators, Switch

SWITCH PLATES, Flush—See Plates, Flush Switch

SWITCHES, Electric

Arrow-Hart & Hegeman Electric Co., Hartford, Conn.
Beaver Mfg. Co., Newark, N. J.
Bryant Electric Co., Bridgeport, Conn. "Hemco"
Circle F Mfg. Co., Trenton, N. J.
Cutler-Hammer, Inc., Milwaukee, Wis.
Hubbell, Harvey, Inc., Bridgeport, Conn.
Monowatt Electric Corp., Chrysler Bldg., New York, N. Y.
Pass & Seymour, Inc., Syracuse, N. Y.
Weber Electric Co., Schenectady, N. Y.

SWITCHES, Radio—See Radio Switches

SWIVEL BARS—See Bars, Swivel

SWIVEL BASE VISES—See Vises, Swivel Base

SWIVEL SNAPS—See Snaps, Swivel

SWIVELS, Chain

American Chain Co., Inc., Bridgeport, Conn. "Acco"
Bridgeport Chain & Mfg. Co., Bridgeport, Conn. "Brown," "Triumph"
Chain Products Co., 3290 Cooper Av., Cleveland, O.
Columbus-McKinnon Chain Co., Tonawanda, N. Y.
Eberhard Mfg. Co., 2790 Tennyson Rd., Cleveland, O.
Laughlin (Thos.) Co., 199 Fore, Portland, Me.
Parker Wire Goods Co., Worcester, Mass.
Warren Axe & Tool Co., Warren, Pa.
Wilcox-Crittenden & Co., Middletown, Conn.

SWIVELS, Fishing, Box and Barrel

Enterprise Mfg. Co., Dept. HA, Akron, O.
Knowles (S. E.) Co., San Francisco, Cal.
Shakespeare Co., Kalamazoo, Mich.
Streich Mfg. Co., Joliet, Ill.
Sutton Co., Naples, N. Y.

SYPHON FILTERS—See Filters, Syphon

SYPHONS

Atlantic Tubing & Rubber Co., Providence, R. I. (Bulb)
American Gas Machine Co., Inc., Albert Lea, Minn. "Auto" (Gasoline)
Goldstar Products, Inc., Detroit, Mich. (Rubber Balls)
Hodgman Rubber Co., Framingham, Mass. "Fast Flow"
Keystone Brass & Rubber Co., Phila., Pa. (Bulb)
Penberthy Injector Co., Detroit, Mich. "Filordrain" (Washing Machine)
Prentiss Wabers Products Co., Wisconsin Rapids, Wis.
Scott Pump Co., Rochester, N. Y. (Gasoline)
Sureline Mfg. Co., Chicago, Ill. "Sureflo" (Bulb)
Vaughan Novelty Mfg. Co., Chicago, Ill. "Perfo-Siphon" (Bulb)

SYSTEMS, Overhead Conveyor—See Trolleys and Trolley Tracks, Overhead

"T" HINGES—See Hinges, Strap and "T"

"T" HOOKS—See Hooks, "T"

"T" IRON—See Steel or Iron, Angle, Channel and "T"

"T" STEEL—See Steel or Iron, Angle, Channel and "T"

TABLE BRACKETS—See Brackets, Table

TABLE CORNERS—See Corners, Box, Chest and Table

TABLE GLASSWARE—See Ware, Glass, Table

TABLE HINGES—See Hinges, Table

TABLE KNIVES—See Ware, Table, Flat

TABLE LEAF SUPPORTS—See Supports, Table Leaf

TABLE MATS—See Mats, Table

TABLE PADDING—See Mats, Table

TABLE STOVES—See Stoves, Table

TABLE TOPS—See Tops, Table, Enameled

TABLE UTENSILS—See article desired

TABLE WARE—See Ware, Table; also article desired

TABLES, Billiard and Pool, Children's

Atlas Doll & Toy Co., Inc., Baltimore, Md.
Brinkman Engineering Co., Dayton, O.
Brunswick-Balke-Collender Co., Chicago, Ill. "Junior Playmate"
Burrowes (E. T.) Co., Portland, Me.
Dorr (Wallie) Co., 215 4th Av., New York, N. Y.
Fuld, Wm., Baltimore, Md.
Mason & Parker Mfg. Co., Winchendon, Mass.
Miller (M. H.) Co., Inc., Jeannette, Pa.
Page (N. L.) & Son Co., Auburn, Ind. "Little Buddy"

TABLES, Card and Folding

Angsten (H. W.) Co., Michigan City, Ind.
Burrowes (E. T.) Co., Portland, Me. "Feather-weight," "Tuxedo"
Carrom Co., Ludington, Mich. "Acme," "Peerless"
Clark (J. R.) Co., Minneapolis, Minn. "Rid-Jid"
Converse-Mason Corp., Winchendon, Mass.
Crawford-Austin Mfg. Co., Waco, Tex. "Supreme"
Dearborn Co., Chicago, Ill.
Dillingham Mfg. Co., Sheboygan, Wis.
Ferguson Bros. Mfg. Co., Cor. 9th & Monroe, Hoboken, N. J.
Geneva Mfg. Co., Geneva, Ill.
Gold Medal Folding Furniture Co., Racine, Wis. "Badger"
Handy Table Set Co., Milwaukee, Wis.
Harrison (B. J.) Mfg. Co., Arkville, N. Y.
Howell Co., Geneva, Ill.
Kentucky Wagon Mfg. Co., Louisville, Ky.
Lorraine Metal Mfg. Co., Inc., Bridgeport, Conn. "Leg-o-Matic"
McCrillis (R. F.) Co., Norfolk, O. (Bridge)
McGrew Machine Co., Lincoln, Neb. "Lincoln"
Metal Stampings Corp., Streator, Ill. "Queen"
Mueller (H. G.) Mfg. Co., Sheboygan, Wis.
Mutual Furniture Mfg. Co., Miamisburgh, O.
Nappanee Lumber & Mfg. Co., Nappanee, O.
National Enameling & Stamping Co., Milwaukee, Wis.
Norcor Mfg. Co., Green Bay, Wis.
Ohio Spring Bed Co., Cleveland, O.
Phenix Mfg. Co., Milwaukee, Wis.
Pratt Mfg. Co., Coldwater, Mich.
Prentiss Wabers Products Co., Wisconsin Rapids, Wis. "Preway"
Rastetter (Louis) & Sons, Fort Wayne, Ind. "Kumfy," "Solid Kumfort"
Readsboro Chair Co., Readsboro, Vt.
Stoll Mfg. Co., Denver, Colo.
Telescope Folding Furniture Co., Granville, N. Y.
Tucker Duck & Rubber Co., Fort Smith, Ark. "Peerless"
Wausau Novelty Co., Wausau, Wis.
Willett Mfg. Co., Dayton, O. "Ring Automatic"

TABLES, Folding—See Tables, Card and Folding

TABLES, Ironing

Automatic Washer Co., Newton, Ia., "Steel Bilt"
Bedell Mfg. Co., Marion, Ind.
Berg (John) Mfg. Co., Chicago, Ill.
Bicknell (J. F.) Lumber Co., Worcester, Mass. (Folding)
Chicago Curtain Stretcher Co., Chicago, Ill. "Crescent," "Dependable," "Sun"

TABLES, Ironing (Continued)

Clark (J. R.) Co., Minneapolis, Minn. "Economy," "Firm-o-matic," "Daisy," "Rid-Jid," "Rij-o-matic," "Royal Rid-Jid"
Crosman (G. A.) & Sons, Portland, Me. "Shorey"
Davis Mfg. Co., Clinton, Me. "Yankee"
Dillingham Mfg. Co., Sheboygan, Wis.
Flint (A. W.) Co., New Haven, Conn.
Gem Mfg. Co., Bascom, O. "Sol-lid," "Special," "Standard," "Three Leg"
Geneva Mfg. Co., Geneva, Ill. "Blue Bird," "Ideal," "Oriole," "Presto"
Holmquist & Co., Chicago, Ill.
Illinois Specialty Co., Tuscola, Ill. "Perfection"
International Woodenware Co., Royersford, Pa.
Monarch Products Co., Tiffin, O. (Folding)
Moulton Ladder Mfg. Co., Somerville, Mass. "D. R.," "S. R."
Nappanee Lumber & Mfg. Co., Nappanee, Ind.
National Washboard Co., Chicago, Ill. (Also Toy) "Universal"
Paris Mfg. Co., South Paris, Me.
Richmond Cedar Wks., Richmond, Va. "Majestic"
Rich Pump & Ladder Co., 1028 Depot, Cincinnati, O.
Specialty Mfg. Co., Titusville, Pa.
Stiles (H. A.) & Co., Boston, Mass.
Van-See Chicago Curtain Stretcher Co.
Udell Wks., Indianapolis, Ind.
Wausau Novelty Co., Wausau, Wis.
Wheeler Screen Co., Geneva, Ill.
Young (J. O.) Co., Springfield, Mass.
Young Bros., Worcester, Mass.

TABLES, Kitchen

Ariel Cabinet Co., Peru, Ind.
Austell Cabinet Co., Austell, Ga.
Benjamin Electric Mfg. Co., Chicago, Ill. "Crysteel"
Campbell-Smith-Ritchie Co., Lebanon, Ind.
Chicago Hdw. Foundry Co., North Chicago, Ill.
Cherborn Co., Chicago, Ill.
Dillingham Mfg. Co., Sheboygan, Wis. (Porcelain Tops)
East Tennessee Woodworking Co., Morristown, Tenn.
Falcon Mfg. Co., Big Rapids, Mich.
Friedrichs, H., San Francisco, Cal.
G. V. C. Mfg. Co., Columbus, Miss.
Globe-Bosse-World Furniture Co., Evansville, Ind.
Hagerstown Furniture Co., Hagerstown, Md.
Hagerstown Table Wks., Hagerstown, Md.
Handy Chair & Table Co., Springfield, Mass.
Hartmeier & Sons Co., Paterson, N. J.
Hoosier Mfg. Co., Newcastle, Ind.
Illinois Specialty Co., Tuscola, Ill. (Porceltain Top)
Ingram-Richardson Mfg. Co., Beaver Falls, Pa.
I. X. L. Furniture Co., Goshen, Ind. (Porcelain Top)
Jones & Kirtland, 101 Park Av., New York, N. Y. "White House" (Sanitary)
Johnson, Peter, Chicago, Ill.
Kompass & Stoll Co., Inc., Niles, Mich. "Sno White"
Lambeth Furniture Co., Thomasville, N. C.
Manchester Furniture Co., Manchester, O.
Manitowoc Church Furniture Co., Waukesha, Wis.
Mooresville Furniture Co., Mooresville, N. C.
Mutschler Bros. Co., Nappanee, Ind. "Porce-namel"
National Screen & Mfg. Co., Cincinnati, O. (Porcelain Top)
Pruitt Bros. Co., Grand Junction, Ia. "Portofold"
Red Wing Mfg. Co., Red Wing, Minn.
Riddel Furniture Mfg. Co., New Orleans, La.
Rollers (G. I.) & Sons Co., Elwood, Ind.
Schelosky Table Co., Evansville, Ind.
Showers Bros. Co., Bloomington, Ind.
Simmonds (J. B.) Lumber Co., Toccoa, Ga.
Smith (F.) & Son, Clinton, Ia.
Space Saving Furniture Co., 138 E. 34th, New York, N. Y. "Phillips" (Kitchenet)
Specialty Mfg. Co., Titusville, Pa.
Spratt Chair Co., Atlanta, Ga.
Stokes Mfg. Co., Montgomery, Pa.
Stepe Whitney Corp., Vernon & Nott Avs., Long Island City, N. Y.
Stop Building & Mfg. Co., Tippecanoe City, O.
Vitreous Steel Products Co., Cleveland, O. "Vitro"
Wasmuth-Endicott Co., Andrews, Ind.

TABLES, Lunch—See Tables, Picnic and Lunch

TABLES, Paper Hangers'

Clyde Mfg. Co., Southbridge, Mass.
Ridgely Trimmer Co., Springfield, O.

TABLES, Picnic and Lunch

Graffam Metal Products Co., Worcester, Mass. "Affa"
Handy Table Set Co., Milwaukee, Wis.
Helton Mfg. Co., Worcester, Mass.
Randolfo Mfg. Co., St. Cloud, Minn. "Handy-Pandy"
Porter, G. H., San Francisco, Cal.
Pueblo Tent & Awning Co., Inc., Pueblo, Colo.
Puffer-Hubbard Mfg. Co., Minneapolis, Minn.
Space Saving Furniture Co., 138 E. 34th, New York, N. Y. "Phillips" (Kitchenet)
Toledo Metal Furniture Co., Toledo, O.

TABLES, Pool, Children's—See Tables, Billiard and Pool, Children's

TABLES, Steel

Aurora Equipment Co., Aurora, Ill. "Equipto"
Standard Pressed Steel Co., Jenkintown, Pa. "Hallowell"
Universal Fixture Corp., 133 W. 23rd, New York, N. Y.

TABLES, Tennis

Art Panel Corp., Cleveland, O.
Detroit Wood Products Co., Detroit, Mich.
Ferguson Bros. Mfg. Co., 8th & Monroe, Hoboken, N. J.
Klik-Klak Mfg. Co., Phila., Pa.
Page (N. L.) & Son Co., Auburn, Me.
Parker Bros., Inc., Salem, Mass.
Sand's Level & Tool Co., Detroit, Mich.

TABLES, Turn, Display—See Fixtures, Display, Hardware

TACK CLAWS—See Claws and Pullers, Tack

TACK HAMMERS—See Hammers, Tack

TACK HAMMERS, Magnetic—See Hammers, Tack, Magnetic

TACK PULLERS—See Claws and Pullers, Tack

TACKERS, Automatic—See Nailers and Tackers, Automatic

TACKERS and NAILERS, Automatic—See Nailers and Tackers, Automatic

TACKLE ASSORTMENTS—See Assortments, Tackle, Fishing

TACKLE BLOCKS—See Blocks, Tackle

TACKLE BOXES, Fishing — See Boxes, Fishing Tackle

TACKLE, Fishing—See article desired

TACKLE KITS—See Kits, Tackle

TACKS—See also Brads; also Nails

TACKS, Brass and Copper

Atlas Tack Corp., Fairhaven, Mass.
Chase Brass & Copper Co., Waterbury, Conn.
Clendenin Bros., Inc., Baltimore, Md.
Cole, H. C. & W. S., Kingston, Mass.
Cross (W. W.) & Co., Inc., East Jaffrey, N. H.
Holland Mfg. Co., Baltimore, Md.
Independent Tack Co., Oil City, Pa.
Interstate Iron & Steel Co., Chicago, Ill.
Mattatuck Mfg. Co., Waterbury, Conn.
Merchant & Evans Co., Philadelphia, Pa.
Milwaukee Tack Co., Milwaukee, Wis.
National Screw & Mfg. Co., Cleveland, O.
Penn Tack Co., Norristown, Pa.
Plymouth Mills, Plymouth, Mass.
Ripley & Bartlett, Plymouth, Mass.
Rome Brass & Copper Co., Rome, N. Y.
Shelton Tack Co., Shelton, Conn.
Waterbury Tack Co., Waterbury, Conn. "W"

TACKS, Carpet

American Steel & Wire Co., 208 S. La Salle, Chicago, Ill. "American," "Peerless"
Atlas Tack Corp., Fairhaven, Mass. "Aeroplane Rustless"
Baker (Geo.) & Sons, Brockton, Mass. "Bakatax"
Baur Tack Co., Indianapolis, Ind. "O. B."
Bishop & Babcock Sales Co., Cleveland, O.
Cross (W. W.) & Co., Inc., East Jaffrey, N. H.
Genesee Tack Co., Rochester, N. Y.
Gurney (D. B.) Co., Inc., Whitman, Mass.
Hillwood Mfg. Co., Cleveland, O. "Euclid"
Holland Mfg. Co., Baltimore, Md. "Household," "Oriole"
Independent Tack Co., Oil City, Pa.
Interstate Iron & Steel Co., Chicago, Ill.
Milwaukee Tack Co., Milwaukee, Wis.
Penn Tack Co., Norristown, Pa.
Ripley & Bartlett, Plymouth, Mass.
Salmond (Sam'l) & Son, Hanover, Mass.
Shelton Tack Co., Shelton, Conn. "Apollo," "Big Value"
Tidioute Tack & Nail Co., Tidioute, Pa.
Tower Mfg. Co., Madison, Ind. "Blue Ribbon," "Royal Palm," "True Blue"
Wilson Steel Products Co., Chicago, Ill.
York Tack & Nail Wks., York, Pa.

TACKS, Copper—See Tacks, Brass and Copper

TACKS, Double-Pointed

Atlas Tack Corp., Fairhaven, Mass.
Baker (Geo.) & Sons, Brockton, Mass.
Baur Tack Co., Indianapolis, Ind. "O. B."
Bishop & Babcock Sales Co., Cleveland, O.
Cross (W. W.) & Co., Inc., East Jaffrey, N. H.
Hillwood Mfg. Co., Cleveland, O.
Holland Mfg. Co., Baltimore, Md.
Independent Tack Co., Oil City, Pa.
Interstate Iron & Steel Co., Chicago, Ill.
Milwaukee Tack Co., Milwaukee, Wis.
Penn Tack Co., Norristown, Pa.
Pickering, R. S., Sharon Hill, Pa.
Plymouth Mills, Plymouth, Mass.
Robertson (W. F.) Steel & Iron Co., Cincinnati, O. "Blue Ribbon," "Tower"
Shelton Tack Co., Shelton, Conn.
Stanley (Geo. W.) Co., Belleville, Ill.
Tidioute Tack & Nail Co., Tidioute, Pa.
Titchener (E. H.) & Co., Binghamton, N. Y.
Tower Mfg. Co., Madison, Ind.
Washburn Company, Worcester, Mass.

TACKS, Gimp—See Tacks, Upholsterers'

TACKS, Rubber-Headed

Elastic Tip Co., Boston, Mass.
Goodrich (B. F.) Rubber Co., Akron, O.
Parker-Stearns & Co., 286 Sheffield Av., B'klyn, N. Y. "Alpha"
Pennsylvania Rubber Co., Jeanette, Pa.
Rodale Mfg. Co., Emaus, Pa.
Tyer Rubber Co., Andover, Mass. "Tyrian"

TACKS, Shoe

Atlas Tack Corp., Fairhaven, Mass.
Baur Tack Co., Indianapolis, Ind. "O. B."
Bishop & Babcock Sales Co., Cleveland, O.
Cross (W. W.) & Co., Inc., East Jaffrey, N. H.
Hillwood Mfg. Co., Cleveland, O.
Holland Mfg. Co., Baltimore, Md.
Penn Tack Co., Norristown, Pa.
Roberts (G. G.) Corp., Whitman, Mass.
Shelton Tack Co., Shelton, Conn.

TACKS, Thumb

Atlas Tack Corp., Fairhaven, Mass.
Dietzgen (Eugene) Co., Chicago, Ill.
Domes of Silence, Inc., 35 Pearl, New York, N. Y. "Donrus" (Celluloid Covered)
Graff (Geo. B.) Co., Cambridge, Mass.
Hampden Mfg. Co., 17 Warren, New York, N. Y. "Clover Leaf"
Hoge Mfg. Co., Inc., 23 E. 21st, New York, N. Y. "Modern"
Hyman (L.) & Sons, 102 Prince, New York, N. Y. (Celluloid Covered)
Keuffel & Esser Co., Hoboken, N. J. "Ideal"
Miller (Robert E.), Inc., 35 Pearl, New York, N. Y. "Remco" (Celluloid Covered)
Molding Corp. of America, Providence, R. I.
Moore Push-Pin Co., 113-125 Berkley, Phila., Pa.
National Sheet Metal Co., Peru, Ill.
Noesting Pin Ticket Co., Mt. Vernon, N. Y.
Pease (C. F.) Co., Chicago, Ill.
Shelton Tack Co., Shelton, Conn.
Solidhead Co., Inc., 88 River, Hoboken, N. J.
Turner & Seymour Mfg. Co., Torrington, Conn. "Eagle Brand"
Waterbury Tack Co., Waterbury, Conn. "W."

TACKS, Trimmers'—See Tacks, Upholsterers'

TACKS, Upholsterers'

(See also Nails, Upholsterers')

American Ring Co., Waterbury, Conn.
American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
Atlas Tack Corp., Fairhaven, Mass.
Auto-Vehicle Parts Co., Newport, Ky.
Baker (Geo.) & Sons, Brockton, Mass.
Baur Tack Co., Indianapolis, Ind. "O. B."
Bishop & Babcock Sales Co., Cleveland, O.
Cross (W. W.) & Co., Inc., East Jaffrey, N. H.
Dennison Mfg. Co., Framingham, Mass.
Genesee Tack Co., Rochester, N. Y.
Gurney (D. B.) Co., Inc., Whitman, Mass.
Hillwood Mfg. Co., Cleveland, O.
Holland Mfg. Co., Baltimore, Md. "San-I-Tacks"
Interstate Iron & Steel Co., Chicago, Ill.
Metal Stamping Co., 13th, Long Island City, N. Y. "Leathermet"
Morley Button Mfg. Co., Boston, Mass. "Milonite"
Neider (F. A.) Co., Augusta, Ky. "Economy"
Penn Tack Co., Norristown, Pa.
Ripley & Bartlett Co., Plymouth, Mass.
Roberts (G. G.) Corp., Whitman, Mass. "Crown," "Imperial," "Regal"
Robertson (W. F.) Steel & Iron Co., Cincinnati, O. "Blue Ribbon," "Tower"
Salmond (Sam) & Son, Hanover, Mass.
Shelton Tack Co., Shelton, Conn.
Tidioute Tack & Nail Co., Tidioute, Pa.
Tockwotton Co., Providence, R. I.
Tower Mfg. Co., Madison, Ind.
Traut & Hines Mfg. Co., New Britain, Conn.
Turner & Seymour Mfg. Co., Torrington, Conn. "Eagle Brand," "Fancy," "Keystone Brand," "Leatherlike"
Turner & Stanton Co., Norwich, Conn.
Waterman (R. C.) Co., S. Hanover, Mass.
York Tack & Nail Wks., York, Pa.

TACKS, Window Screen—See Nails, Screen or Numeral

TAG FASTENERS—See Fasteners, Tag

TAGS, Marking, Blank and Price

Davis-Smith Co., Boston, Mass. "Sezit"
Denney Tag Co., West Chester, Pa.
Garrison-Wagner Co., St. Louis, Mo.
Heller (W. C.) & Co., Montpelier, O.
International Tag Co., Chicago, Ill.
Robertson (W. F.) Steel & Iron Co., Cincinnati, O.
Unique Painted Products Co., Terre Haute, Ind.

TAGS, Shipping

Allen-Bailey Tag Co., Caledonia, N. Y.
American Mfg. Co., Battle Creek, Mich.
American Tag Co., 113 Sussex Av., Newark, N. J.

TAGS, Shipping (Continued)

Denney Tag Co., West Chester, Pa.
Dennison Mfg. Co., Framingham, Mass.
Eastern Pin Ticket & Tag Co., Perkasie, Pa.
Eisler (Anthony) & Co., 97 Bleecker, New York, N. Y.
Garrison-Wagner Co., St. Louis, Mo.
International Tag Co., Chicago, Ill.
Noesting Pin Ticket Co., Mount Vernon, N. Y.
Swigart, Walter, Chicago, Ill. (Battery, Acid Resisting)

TAGS, Stock

Dana (C. H.) Co., West Lebanon, N. H.
International Tag Co., Chicago, Ill.

TAIL HOLDERS, Cow—See Holders, Tail, Cow

TAIL LIGHTS—See Lights, Tail

TAILORS' GOOSE—See Irons, Sad, Electric

TAILORS' IRON HEATERS—See Heaters, Tailors' Iron

TAILORS' SHEARS—See Shears, Tailors'

TAILORS' SNIPS—See Snips, Tailors'

TAILORS' STOVES—See Heaters, Tailors' Iron

TALKING BOARDS—See Boards, Talking

TALKING DOLLS—See Dolls, Talking

TALKING MACHINES, Children's—See Phonographs, Children's

TALLOW POTS—See Pots, Tallow

TAMPERS

Avondale Stove & Fdry. Co., Birmingham, Ala.
Barber Asphalt Co., Phila., Pa. "Iroquois"
Clark (H. W.) Co., Mattoon, Ill.
Consolidated Concrete Machinery Corp., Adrian, Mich. (Power)
Crescent Tool & Mfg. Co., St. Louis, Mo.
Dalton Foundries, Inc., Warsaw, Ind.
Ennis Mfg. Co., Reading, Pa.
Indiana Foundry Co., Indiana, Pa.
Iron City Tool Works, Pittsburgh, Pa.
Oliver Iron & Steel Corp., Pittsburgh, Pa.
R. & L. Concrete Machinery Co., Kendallville, Ind. (Power)
Stearns (E. C.) & Co., Syracuse, N. Y.
Stortz (John) & Son, Phila., Pa.
Swett (A. L.) Iron Wks., Medina, N. Y.
Wagner Mfg. Co., Sidney, O.

TANK, Closet, Copper Floats—See Floats, Closet Tank, Copper

TANK HEATERS—See Heaters, Tank

TANK PUMPS—See Pumps, Tank

TANK RIVETS—See Rivets, Tank

TANK SPRAYERS—See Sprayers, Tank

TANK VALVES—See Valves, Float and Tank

TANKS, Fish—See Aquariums

TANKS, Gasoline

Beatrice Steel Tank Mfg. Co., Beatrice, Neb.
Beman Automatic Oil Can Co., Meadville, Pa.
Bowser (S. F.) & Co., Ft. Wayne, Ind.
Boyle Mfg. Co., Los Angeles, Cal. "Boyco"
Bushnell Pump Co., Bushnell, Ill.
Butler Co., Butler, Ind.
Butter Mfg. Co., Kansas City, Mo.
Celina Mfg. Co., Celina, O.
Challenge Co., Batavia, Ill.
Columbian Steel Tank Co., Kansas City, Mo.
Des Moines Steel Tank Co., Des Moines, Ia.
Fairbanks, Morse & Co., Chicago, Ill.
Ferguson Mfg. Co., Dubuque, Ia.
Flint & Walling Mfg. Co., Kendallville, Ind.
Fouts (C. C.) Co., Middletown, O.
Freeland Sons Co., Sturgis, Mich.
Freeland Steel Tank Co., Portage, Wis.
Gilbert & Barker Mfg. Co., Springfield, Mass.
Groetken Pump Co., Aurora, Ill.
Hastings Equity Grain Bin Mfg. Co., Hastings, Neb.
Hawkeye Pump Co., Fairfield, Ia.
Heller-Aller Co., Napoleon, O.
Howell (R. R.) & Co., Minneapolis, Minn.
Hudson (H. D.) Mfg. Co., Chicago, Ill.
International Harvester Co., Chicago, Ill.
Iowa Wind Mill & Pump Co., Cedar Rapids, Ia.
Kewanee Private Utilities Co., Kewanee, Ill.
Leader Iron Wks., Decatur, Ill.
Metal Products Corp., 49 Chestnut, Weehawken, N. J.
Mosheik (P.) & Son, Chicago, Ill.
National Enameling & Stamping Co., Milwaukee, Wis.
Nebraska & Iowa Steel Tank Co., Omaha, Neb.
North Dakota Metal Culvert Co., Fargo, N. D.
Perkins Corp., Mishawaka, Ind.
Pioneer Mfg. Co., Middlebury, Ind.
Sexton Can Co., Everett, Mass.
Sioux Falls Metal Culvert Co., Sioux Falls, S. D.
Star Tank Co., Goshen, Ind.
Stratton & Terstegge Co., Inc., Mfg. Div., Louisville, Ky. "Falls City"
Toquet Carburetor Corp., Westport, Conn.
Vernier Mfg. Co., Cedar Rapids, Ia.
Wood (John) Mfg. Co., Conshohocken, Pa. "Electric Weld"

TANKS, Kerosene, Measuring

Dayton Pump & Mfg. Co., Dayton, O. "Rapidayton"

TANKS, Oil Storage

Adamson Mfg. Co., East Palestine, O.
American Can Co., 230 Park Av., New York, N. Y.
American Gas Machine Co., Inc., Albert Lea, Minn. "Kitchen Kook" (Gasoline)
American Sheet Metal Wks., New Orleans, La.
Beatrice Steel Tank Mfg. Co., Beatrice, Neb.
Beman Automatic Oil Can Co., Meadville, Pa.
Bowser (S. F.) & Co., Ft. Wayne, Ind.
Butler Co., Butler, Ind.
Butler Mfg. Co., Kansas City, Mo.
Case (W. A.) & Son Mfg. Co., Buffalo, N. Y.
Columbian Steel Tank Co., Kansas City, Mo.
Corcoran Mfg. Co., Washington, Ind.
Dayton Pump & Mfg. Co., Dayton, O.
Des Moines Steel Tank Co., Des Moines, Ia.
Fairbanks, Morse & Co., Chicago, Ill.
Ferguson Mfg. Co., Dubuque, Ia.
Flint & Walling Mfg. Co., Kendallville, Ind.
Freeland Sons Co., Sturgis, Mich.
Freeland Steel Tank Co., Portage, Wis.
Gilbert & Barker Mfg. Co., Springfield, Mass.
Groetken Pump Co., Aurora, Ill.
Hastings Equity Grain Bin Mfg. Co., Hastings, Neb.
Hawkeye Pump Co., Fairfield, Ia.
Heller-Aller Co., Napoleon, O.
Howell (R. R.) & Co., Minneapolis, Minn.
Hudson (H. D.) Mfg. Co., Chicago, Ill.
International Harvester Co., Chicago, Ill.
Iowa Wind Mill & Pump Co., Cedar Rapids, Ia.
Kaustine Co., Buffalo, N. Y.
Kewanee Private Utilities Co., Kewanee, Ill.
Leader Iron Wks., Decatur, Ill.
Luther Mfg. Co., Inc., Olean, N. Y.
National Enameling & Stamping Co., Milwaukee, Wis. "Nesco"
Nebraska & Iowa Steel Tank Co., Omaha, Neb.
North Dakota Metal Culvert Co., Fargo, N. D.
North-Western Stamping Co., Burlington, Ia. "Burlington"
Perkins Corp., Mishawaka, Ind.
Pioneer Mfg. Co., Middlebury, Ind.
Prentiss Wabers Products Co., Wisconsin Rapids, Wis.
Sexton Can Co., Everett, Mass.
Sioux Falls Metal Culvert Co., Sioux Falls, S. D.
Star Tank Co., Goshen, Ind.
Stratton & Terstegge Co., Inc., Mfg. Div., Louisville, Ky. "Falls City"
Vernier Mfg Co., Cedar Rapids, Ia.
Wall (P.) Mfg. Supply Co., 3126-3166 Preble Av., Pittsburgh, Pa.
Western Steel Products Co., Duluth, Minn.

TANKS, Oil Storage, Underground

Beman Automatic Oil Can Co., Meadville, Pa.
Brown Sheet Iron & Steel Co., St. Paul, Minn.
Dayton Pump & Mfg. Co., Dayton, O.
Gilbert & Barker Mfg. Co., Springfield, Mass.
Pennsylvania Furnace & Iron Co., Warren, Pa.
Pittsburgh-Des Moines Steel Co., Pittsburgh, Pa.

TANKS, Septic

Celina Mfg. Co., Celina, O.
Chemical Toilet Corp., Syracuse, N. Y. "San-Equip"
Dail Steel Products Co., Lansing, Mich. "Wolverine"
Fort Wayne Engineering & Mfg. Co., Fort Wayne, Ind. "Paul"
Hart Mfg. Co., Louisville, Ky.
Kaustine Co., Inc., Buffalo, N. Y.
Pennsylvania Furnace & Iron Co., Warren, O.
Sierra Mfg. Co., Pasadena, Cal.
Western Metal Specialty Co., Milwaukee, Wis. "Badger," "Wemsco"
Wood (John) Mfg. Co., Conshohocken, Pa. "Electric Weld"

TANKS, Toilet, Closet

Becker Mfg. Co., Marietta, O.
Heap (Wm.) & Sons, Grand Haven, Mich. "Bull-Dog"
Humphryes Mfg. Co., Mansfield, O. "Mirard"
Western Metal Specialty Co., Milwaukee, Wis. "Wemsco"

TANKS, Wooden

Aermotor Co., Chicago, Ill.
Baker Mfg. Co., Evansville, Wis.
Beckman Bros., Des Moines, Ia.
Bennett Bros. Co., Lowell, Mass. "Ideal"
Brever Bros., Whiting & Co., Waupun, Wis.
Butler Co., Butler, Ind.
Bushnell Pump Co., Bushnell, Ill.
Challenge Co., Batavia, Ill.
Dempster Mill Mfg. Co., Beatrice, Neb.
Duplex Mfg. Co., Superior, Wis.
Economy Silo & Mfg. Co., Frederick, Md.
Fairbanks, Morse & Co., Chicago, Ill.
Flint & Walling Mfg. Co., Kendallville, Ind. "Star"
Heller-Aller Co., Napoleon, O.
Howell (R. R.) & Co., Minneapolis, Minn.
Hudson (H. D.) Mfg. Co., Chicago, Ill.
Iowa Wind Mill & Pump Co., Cedar Rapids, Ia.
Kalamazoo Tank & Silo Co., Kalamazoo, Mich.
Knoxville Lumber & Mfg. Co., Knoxville, Tenn.
Mast, Foos & Co., Springfield, O.
Perkins Corp., Mishawaka, Ind.
Plattner-Yale Mfg. Co., Lincoln, Neb.
Red Cross Mfg. Co., Bluffton, Ind.
Ross Supply Co., Greenville, O.
Tennant (G. H.) Co., Minneapolis, Minn.
Unadilla Silo Co., Unadilla, N. Y.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Valley Mfg. Co., Clinton, Ia.
Vernier Mfg. Co., Cedar Rapids, Ia.
Wood Bros. Silo & Mfg. Co., Lincoln, Neb.
Woodmanse Mfg. Co., Freeport, Ill.

TANNERS' KNIVES—See Knives, Tanners'

TAP BOLTS—See Bolts, Tap

TAP EXTENSIONS—See Extensions, Tap

TAP EXTRACTORS—See Extractors, Tap

TAP GRINDERS—See Grinders, Tap

TAP HOLDERS—See Holders, Tap

TAP WRENCHES—See Wrenches, Tap

TAPE, Gummed

Brown Paper Co., St. Louis, Mo.
Cleveland-Akron Bag Co., Cleveland, O.
Dennison Mfg. Co., Framingham, Mass.
Eisler (Anthony) & Co., 97 Bleecker, New York, N. Y.
Fox Paper Co., Lockland, O.
Gummer Products Co., Troy, O.
Hand (J. H.) Foundry Co., Westerville, O.
Herrlinger & Co., Cincinnati, O.
International Tag Co., Chicago, Ill.
Knowlton (M. D.) Co., Rochester, N. Y.
Metal Specialties Mfg. Co., Chicago, Ill.
Mott, Wallace A., Norwalk, Conn.
Nashua Package Sealing Co., Nashua, N. H.
Papco Paper Products Co., Atlanta, Ga.
Powell Sealer & Tape Mfg. Co., Westerville, O.
Rexford Gummed Tape Co., Milwaukee, Wis.
St. Louis Rubber Cement Co., Inc., St. Louis, Mo. "Red X"
Tanglefoot Co., Grand Rapids, Mich.
Thomas Stationery Mfg. Co., Springfield, O.
Wortendyke Mfg. Co., Richmond, Va.

TAPE HOOKS—See Hooks, Tape and Rule

TAPE, Insulating—See Tape, Rubber and Friction

TAPE LINES—See Tapes, Measuring

TAPE, Marking

Draper-Maynard Co., Plymouth, N. H.
Goldsmith's (P.) Sons, Cincinnati, O.
Hope Webbing Co., Providence, R. I.
Moore, Robert, Tuxedo, N. Y.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stall & Dean Mfg. Co., Brockton, Mass.
Waban Webbing Co., Boston, Mass.

TAPE, Rubber and Friction

Akurate Rubber Co., 25 Beaver, New York, N. Y. "Ackerman," "Candee"
Appleton Rubber Co., Franklin, Mass. "O. K." "Paratex"
Boston Woven Hose & Rubber Co., Cambridge, Mass. "Bull Dog," "Ever-Grip"
Canfield Rubber Co., Bridgeport, Conn.
Clifton Mfg. Co., Boston 30, Mass.
Dryden Rubber Co., Chicago, Ill.
Dunton (M. W.) Co., Providence, R. I. "Black Diamond"
Elkhart Rubber Wks., Elkhart, Ind.
Firestone Tire & Rubber Co., Akron, O.
General Elec. Co., Merchandise Dept., Bridgeport, Conn.
Goodrich (B. F.) Rubber Co., Akron, O.
Goodyear Tire & Rubber Co., Akron, O.
Johns-Manville, Inc., Madison Av. & 41st, New York, N. Y. "J. M. Alpha"
Lavelle Rubber Co., Chicago, Ill.
Okonite Co., Passaic, N. J. "Dundee," "Manson"
Passaic Rubber Co., Clifton, N. J.
Plymouth Rubber Co., Inc., Canton, Mass. "Canton," "Slipknot"
Ruberoid Co., 95 Madison Av., New York, N. Y.
St. Louis Rubber Cement Co., Inc., St. Louis, Mo. "Red X"
Sullivan & Sons Mfg. Co., Phila., Pa.
Superior Insulating Tape Co., St. Louis, Mo. "SI," "Sitco"
Union Rubber & Asbestos Co., Trenton, N. J.
United States Rubber Co., 1790 B'way, New York, N. Y.
Van Cleef Bros., Chicago, Ill. "Dutch"

TAPE SEALING and MOISTENING MACHINES—See Machines, Tape Sealing and Moistening

TAPE, Tire—See Tape, Rubber and Friction

TAPER PIN REAMERS—See Reamers, Taper

TAPER PINS—See Pins, Taper

TAPER REAMERS—See Reamers, Taper

TAPER SHANK DRILLS—See Drills, Twist

TAPER SHANK REAMERS—See Reamers, Taper

TAPER TAPS—See Taps, Mechinists', Hand

TAPERS, Wax

Cathedral Candle Co., Syracuse, N. Y.
Columbia Wax Wks., Ozone Park, L. I., N. Y.
Houchin (Thos. W.) Co., 309 9th, Jersey City, N. J.
Mack-Miller Candle Co., Syracuse, N. Y.
Marty & Co., Syracuse, N. Y.
Will & Baumer Candle Co., Inc., Syracuse, N. Y.
St. Louis Candle & Wax Co., St. Louis, Mo.

TAPES, Measuring

Chicago Steel Tape Co., Chicago, Ill.
Crogan Mfg. Co., Bangor, Me. "Bangor," "One-Man"
Dietzen (Eugene) Co., Chicago, Ill.
Gurley, W. & L. E., Troy, N. Y.
Keuffel & Esser Co., 300 Adams, Hoboken, N. J. "K & E"
Kolesch & Co., 138 Fulton, New York, N. Y.
Lufkin Rule Co., Saginaw, Mich. "Ass Skin," "Atlas," "Banner," "Challenge," "Challenge, Jr.," "Crescent," "Hi-way," "Junior Metallic," "Metallic," "Michigan," "Reliable," "Rival," "Sterling," "Universal," "Western," "Wizard," "Wolverine" (Steel & Woven)
Mayhew Steel Products, Inc., Shelburne Falls, Mass.
Queen-Gray Co., Phila., Pa.
Roe (Justus) & Sons, Patchogue, N. Y.
Seelig (R.) & Son, Chicago, Ill.
Stanley Wks., New Britain, Conn. "Farrand," "Pull-Push" (Flexible Rigid)
Starrett (L. S.) Co., Athol, Mass.
Ulmer (J. C.) Co., Cleveland, O. "Lucas"
Union Tool Co., Orange, Mass.

TAPPET WRENCHES—See Wrenches, Engineers' and Machinists'

TAPPING BITS—See Bits, Tapping

TAPS, Bottoming—See Taps, Machinists', Hand

TAPS and DIES

Alvord-Polk Tool Co., Millersburg, Pa.
Armstrong Mfg. Co., Bridgeport, Conn. (Dies)
Bay State Tap & Die Co., Mansfield, Mass.
Brubaker (W. L.) & Bros., 50 Church, New York, N. Y.
Butterfield & Co., Div., Union Twist Drill Co., Derby Line, Vt.
Card (S. W.) Mfg. Co., Div., Union Twist Drill Co., Mansfield, Mass.
Carpenter (J. M.) Tap & Die Co., Pawtucket, R. I.
Champion Blower & Forge Co., Lancaster, Pa. "Easy," "Ordnance"
Conant & Donelson Co., Conway, Mass. "Reliable"
Fleming Mfg. Co., Inc., Worcester, Mass.
Gardner Tap & Die Co., Marion, O.
Greenfield Tap & Die Corp., Greenfield, Mass. "Acorn," "Green River," "G T D," "Lightning," "Little Giant"
Hanson, Henry L., Worcester, Mass.
Harding Bros., Chicago, Ill.
Keystone Reamer & Tool Co., Millersburg, Pa.
Manufacturers' Equipment Co., Chicago, Ill.
Mechanics Tool & Wrench Co., Greenfield, Mass. "Acme," "Adamantine," "Eagle"
Morse Twist Drill & Machine Co., New Bedford, Mass.
Oster Mfg. Co., Cleveland, O. "Bull Dog," "Bull Pup," "Receder"
Pratt & Whitney Co., Hartford, Conn.
Russell Mfg. Co., Greenfield, Mass.
Syverson (Jos. T.) & Son, Chicago, Ill.
Standard Tool Co., Cleveland, O.
Stevens Walden, Inc., Worcester, Mass.
Union Twist Drill Co., Athol, Mass.
Walworth Co., Boston, Mass. "Walco"
Wells Tool Co., Greenfield, Mass.
Winter Bros. Co., Wrentham, Mass. "Thistle"

TAPS, Drill and Reamer, Combined

Bay State Tap & Die Co., Mansfield, Mass.
Greenfield Tap & Die Corp., Greenfield, Mass. "G T D"
Mechanics Tool & Wrench Co., Greenfield, Mass. "Adamantine"
Polk (A. J.) & Son Co., Millersburg, Pa.
Standard Tool Co., Cleveland, O.
Walworth Co., Boston, Mass.

TAPS and LIFTS—See Soles and Heels

TAPS, Electric Current

Arrow-Hart & Hegeman Electric Co., Hartford, Conn. (Bakelite)
Bryant Electric Co., Bridgeport, Conn. "Hemco"
Hubbell Harvey, Inc., Bridgeport, Conn.
Beaver Mfg. Co., Newark, N. J.
Cutler-Hammer, Inc., Milwaukee, Wis.

TAPS, Machinists', Hand

Alvord-Polk Reamer & Tool Co., Millersburg, Pa.
Armstrong Mfg. Co., Bridgeport, Conn.
Bay State Tap & Die Co., Mansfield, Mass.
Brubaker (W. L.) & Bros., Millersburg, Pa.
Butterfield & Co., Div., Union Twist Drill Co., Derby Line, Vt.
Card (S. W.) Mfg. Co., Div., Union Twist Drill Co., Mansfield, Mass. "Paragon"
Carpenter (J. M.) Tap & Die Co., Pawtucket, R. I.
Conant & Donelson Co., Conway, Mass. "Reliable"
Greenfield Tap & Die Corp., Greenfield, Mass. "G T D"
Hanson, Henry L., Worcester, Mass.
Hart Mfg. Co., Cleveland, O. "Duplex"
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Mechanics Tool & Wrench Co., Greenfield, Mass. "Adamantine"
Morse Twist Drill & Mach. Co., New Beford, Mass.
Pratt & Whitney Co., Hartford, Conn.
Republic Tool & Mfg. Co., Cleveland, O.
Reynolds (Jas.) Mfg. Co., New Haven, Conn.
Russell Mfg. Co., Greenfield, Mass.
Winter Bros. Co., Wrentham, Mass. "Thistle"

TAPS, Plug—See Taps, Machinists, Hand

TAPS and REAMERS, Pipe

Abegg & Reinhold Co., Los Angeles, Cal. "Varco" (Reamers)
Alvord-Polk Tool Co., Millersburg, Pa. "Alpo"
Armstrong Mfg. Co., Bridgeport, Conn.
Bay State Tap & Die Co., Mansfield, Mass.
Brubaker (W. L.) & Bros., Millersburg, Pa.
Butterfield & Co., Div., Union Twist Drill Co., Derby Line, Vt.
Card (S. W.) Mfg. Co., Div., Union Twist Drill Co., Mansfield, Mass.
Carpenter (J. M.) Tap & Die Co., Pawtucket, R. I.
Erie Tool Wks., Erie, Pa.
Greenfield Tap & Die Corp., Greenfield, Mass. "G T D"
Hart Mfg. Co., Cleveland, O. "Duplex"
Johnson (William), Inc., 36 Brenner, Newark, N. J.
Keystone Die Stock Co., Chicago, Ill. "J. J. Delehant's Keystone"
Mechanics Tool & Wrench Co., Greenfield, Mass. "Adamantine"
Morse Twist Drill & Mach. Co., New Bedford, Mass.
Mueller (H.) Mfg. Co., Decatur, Ill.
Potter Tool & Mach. Wks., 79 E. 130th, New York, N. Y.
Pratt & Whitney Co., Hartford, Conn.
Precision Tool Co., Canton, Mass.
Putnam Mach. Co., Fitchburg, Mass.
Russell Mfg. Co., Greenfield, Mass.
Saunders' (D.) Sons, Yonkers, N. Y.
Standard Tool Co., Cleveland, O.
Victor Tool Co., Waynesboro, Pa.
Walworth Co., Boston, Mass. "Walco"

TAPS, Reamer—See Taps, Drill and Reamer

TAPS, Shoe

(See also Soles and Heels)

Auburn Rubber Co., Auburn, Ind. "Big Value," "Super Arco"
Coulson Heel Co., Hanover, Pa. "Jiffy-On"
Delany (J. M.) & Co., Charles, Meriden, Conn. "Emerald," "Guaranteed," "Marion," "Tip Top"
Eagleston Bros., Lynn, Mass.
Fleckenstein (C. G.) Co., Muskegon, Mich. "Flex-oak"
Foster Rubber Co., Boston, Mass. "Cats Paw"
Graton & Knight Co., Worcester, Mass.
Hagerstown Leather Co., Inc., Hagerstown, Md.
Karno (L.) & Co., Chicago, Ill.
Panco Rubber Co., Chelsea, Mass.
Sweet (E. A.) Co., Inc., Binghamton, N. Y. "Paracord"
U. S. Leather Co., 2 Park Av., New York, N. Y. "Allen," "Steerhead"
Wilder & Co., Chicago, Ill. "Lion"

TAPS, Taper, Bottoming and Plug—See Taps, Machinists' Hand

TAR REMOVING COMPOUNDS—See Compounds, Tar Removing

TARGET RIFLES—See Rifles, Target

TARGETS, Clay

Peters Cartridge Co., Dept. I-53, Kings Mills, O. "Duvrock Targets"

TARGETS, Paper

Sterling Press, Inc., Pittsburgh, Pa.

TARGETS, Rifle

Black Products Co., Chicago, Ill.
Centercite Target Co., Rochester, N. Y.
Crosman Arms Co., Inc., Rochester, N. Y. "Dodo"
Peters Cartridge Co., Dept. I-53, Kings Mills, O. "Duvrock"
Stevens (J.) Arms Co., Chicopee Falls, Mass.
Western Cartridge Co., East Alton, Ill. "White Flyer"

TARPAULINS

Astrup Co., Cleveland, O.
Baker-Lockwood Mfg. Co., Inc., Kansas City, Mo.
Berg (F. O.) Co., Spokane, Wash.
Briddell, Chas. D., Crisfield, Md. "Leak-Less"
Canvas Products Co., St. Louis, Mo. "Nox-All," "Rival," "Sterling"
Cleveland Canvas Goods Mfg. Co., Cleveland, O.
Couch Bros. Mfg. Co., Atlanta, Ga.
Crawford-Austin Mfg. Co., Waco, Tex.
Dafoe-Eustice Co., Detroit, Mich. "Ustus"
Daniels (C. R.), Inc., 101 Crosby, New York, N. Y. "Stop-Loss"
Dickey Mfg. Co., Toledo, O.
Fulton Bag & Cotton Mills, Inc., 330 Wythe Av., B'klyn, N. Y. "Fultex," "Shuredry"
Hettrick Mfg. Co., Toledo, O.
Hettrick (W. E.) & Son, Inc., Toledo, O. "Het-Son"
Hirsch-Weiss Mfg. Co., Portland, Ore.
Johnson (J. W.) Co., Chicago, Ill.
K. C. Fabric Products Co., Kansas City, Mo.
Staatsburg Ice Tool Works, Staatsburg-on-the-Hudson, N. Y.
Stanley, Wm. W., 359 B'way, New York, N. Y.
Tucker Duck & Rubber Co., Fort Smith, Ark. "Tuduco"
Wenzel (Herman) Tent & Duck Co., St. Louis, Mo.
Werner Canvas Products Co., 2 Water, B'klyn, N. Y.

TEA BALLS—See Balls, Tea

TEA BELLS—See Bells, Call

TEA KETTLES—See Kettles, Tea

TEA POTS—See Pots, Tea

TEA SETS, Toy, Aluminum—See Sets, Tea, Toy

TEA SETS, Toy, Celluloid—See Sets, Tea, Toy

TEA STRAINERS—See Strainers, Tea

TEDDY BEARS

(See also Animals, Toy, Stuffed)

American Made Toy Co., 61 Pennsylvania Av., B'klyn, N. Y.
Atlantic Toy Mfg. Co., 141 Wooster, New York, N. Y.
Gerling Toy Co., 12 W. 21st, New York, N. Y.
Goldberger, E., 200 5th Av., New York, N. Y.
Gund Mfg. Co., 40 W. 20th, New York, N. Y.
Ideal Novelty & Toy Co., 273 Van Sinderen Av., B'klyn, N. Y.
Knickerbocker Toy Co., Inc., 85 5th Av., New York, N. Y.
National French Fancy Novelty Co., 2058 Pitkin Av., B'klyn, N. Y.
Tip Top Toy Co., 9 Jones, New York, N. Y.

TEES, Golf

Acush Net Process Co., New Bedford, Mass.
Burke Golf Co., Newark, O. "Sturdie"
Crawford, McGregor & Canby Co., Dayton, O.
Eick, Otto, St. Louis, Mo. "Checkwear," "Ever-Up"
Emeloid Co., Arlington, N. J.
Eugene Mfg. Co., Bolivar, O.
General Timber & Lumber Co., Cleveland, O. "Rite-Hite"
Golf Tee Co., Amsterdam, N. Y. "Bobby," "Celluloid," "Double Head," "Long Yale," "Yale"
Goodrich (B. F.) Rubber Co., Akron, O.
Granby Mfg. Co., Keene, N. H. "Peg"
Holland Mfg. Co., Baltimore, Md. "Super" (Aluminum)
Ken-Wel Sporting Goods Co., Utica, N. Y.
Larson (Chas. O.) Co., Sterling, Ill. "Guide Tee"
Manhattan Rubber Mfg. Co., Passaic, N. J.
Molding Corp. of America, Providence, R. I.
Morley Button Mfg. Co., Portsmouth, N. H. "Yello"
Napier Co., 389 5th Av., New York, N. Y. "Captive"
Nieblo Mfg. Co., 38 E. 23rd, New York, N. Y. "Reddy"
Par-Tee, Inc., Cleveland, O.
Penn Tack Co., Norristown, Pa.
Perma Tee Corp., 1 Park Av., New York, N. Y.
Perfection Rubber Co., S. Akron, O.
Pittsburgh Golf Tee Co., Wilkinsburg, Pa.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Rich Pump & Ladder Co., 1028 Depot, Cincinnati, O.
Riley (Jas.) & Son, Chicago, Ill.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Sterling Mfg. Co., Sterling, Ill.
Summers Mfg. Co., Los Angeles, Cal.
Thomas Mfg. Co., Springfield, O. "Royal," "Triumph"
Winter (H. G.) & Sons, Kingfield, Me.
Wittek Mfg. Co., Chicago, Ill. "Tip Top Tee"
Worthington Mower Co., Stroudsburg, Pa.
Young (L. A.) Spring & Wire Corp., Detroit, Mich. "Walter Hagan"

TEES, Pipe—See Fittings, Pipe

TEES, Union

Acheson Mfg. Co., Braddcok, Pa.
Dart (E. M.) Mfg. Co., Providence, R. I.
Jefferson Union Co., Lexington, Mass.
Lunkenheimer Co., Cincinnati, O.
Malleable Iron Fittings Co., Branford, Conn. "M. I. F. Co."
Walworth Co., Boston, Mass. "Kewanee"

TEETH and HOLDERS, Saw

Atkins (E. C.) & Co., Indianapolis, Ind.
Southern Saw Wks., Atlanta, Ga.

TELEGRAPH OUTFITS, Toy—See Outfits, Telegraph, Toy

TELEGRAPH SHOVELS—See Shovels, Telegraph

TELEPHONES, Toy

Art Metal Works, 7 Mulberry, Newark, N. J. "Ronson"
Connecticut Telephone & Electric Corp., Meriden, Conn. "Duplex"
Dayton Toy & Spec. Co., Dayton, O.
Edwards Mfg. Co., Cincinnati, O. "Talkaphone"
Gong Bell Mfg. Co., East Hampton, Conn. "Plaphone 600," "Silver Chime"
Hill (N. N.) Brass Co., East Hampton, Conn.
Monarch Telephone Mfg. Co., Chicago, Ill.
Steel Stamping Co., Lorain, O. "Dial-O-Phone," "Monophone" (Radio)

TELESCOPES

Bausch & Lomb Optical Co., Rochester, N. Y.
Belding & Mull, Inc., Philipsburg, Pa.
New Era Optical Co., Chicago, Ill.
Wollensak Optical Co., Rochester, N. Y.

TELESCOPES, Rifle

Belding & Mull, Inc., Philipsburg, Pa.
Lyman Gun Sight Corp., Middlefield, Conn.
Malcolm Rifle Telescope Mfg. Co., Auburn, N. Y.
Neidner Rifle Corp., Dowagiac, Mich.
Savage Arms Corp., Utica, N. Y.

TELESCOPING GAGES—See Gages, Telescoping

TELEVISION

Gold Seal Electrical Co., 5 Central Av., Newark, N. J.
Jenkins Television Corp., Passaic, N. J.
Shortwave & Television Corp., Boston, Mass. "Baird"
Trav-Ler Radio & Television Corp., St. Louis, Mo.

TELEVISION VACUUM TUBES—See Tubes, Vacuum, Television

TENDERERS, Meat

(See also Pounders, Steak)

Chatillon (John) & Sons, 85 Cliff, New York, N. Y.
Colebrookdale Iron Co., Boyertown, Pa. "Double"
Household Helps, Inc., Munice, Ind.
Parrish (J. Shepherd) Co., Chicago, Ill.
Stover Mfg. & Engine Co., Freeport, Ill.
Taplin Mfg. Co., New Britain, Conn.
Tyler Mfg. Co., Munice, Ind. "Kluster Knife"

TEN PINS—See Pins, Ten

TEN PINS, Toy—See Pins, Ten, Toy

TENNIS BALLS—See Balls, Tennis

TENNIS COURT MARKERS—See Markers, Tennis Court

TENNIS NETS—See Nets, Tennis

TENNIS PEGS—See Pegs, Tennis

TENNIS POLES—See Poles, Tennis

TENNIS RACKET BAGS—See Covers, Tennis Racket

TENNIS RACKET CASES—See Covers, Racket

TENNIS RACKET COVERS—See Covers, Tennis Racket

TENNIS RACKET PRESSES—See Presses, Tennis Racket

TENNIS RACKETS—See Rackets, Tennis

TENNIS SHIELDS, EYE—See Visors, Sport

TENNIS SHOES—See Shoes, Tennis

TENT PINS—See Pins, Tent

TENT POLES—See Poles, Tent

TENT ROPE—See Rope, Awning and Tent

TENT STAKES—See Stakes, Tent

TENTS and AWNINGS

Aeroshade Co., Waukesha, Wis., "Aerolux"
Akron Tent & Awning Co., Akron, O.
Alward-Anderson-Southard Co., Chicago, Ill.
Ames-Harris-Neville Co., San Francisco, Cal.
Anchor Supply Co., Evansville, Ind.
Armbruster (R. H.) Mfg. Co., Springfield, Ill.
Astrup Co., Cleveland, O.
Atlanta Tent & Awning Co., Atlanta, Ga. "Bonedri," "Style-Bilt"
Atlas Hammock Co., 53 E. 25th, New York, N. Y.
"B & J" Auto-Awnings, Inc., Minneapolis, Minn. (Auto Awnings)
Baker-Lockwood Mfg. Co., Inc., Kansas City, Mo.
Baptiste Tent & Awning Co., St. Louis, Mo.
Berg (F. O.) & Co., Spokane, Wash.
Beverly Co., Louisville, Ky.
Boyle (John) & Co., 112 Duane, New York, N. Y.
Brooks Tent & Awning Co., Denver, Col. "Arapahoe"
Buckeye Tent & Awning Co., Columbus, O.
Canvas Products Co., St. Louis, Mo.
Cleveland-Akron Bag Co., Cleveland, O.
Clifton Mfg. Co., Waco, Tex.
Colorado Tent & Awning Co., Denver, Col.
Couch Bros. Mfg. Co., Atlanta, Ga.
Coye (Chas. A.) Grand Rapids, Mich.
Crawford-Austin Mfg. Co., Waco, Tex. "Dux-Bak"
Dallas Tent & Awning Co., Dallas, Tex.
Daniels (C. R.) Inc., 101 Crosby, New York, N. Y.
Danville Tent & Awning Co., Danville, Ill.
Dayton Awning & Tent Co., Dayton, O.
Decatur Tent & Awning Co., Decatur, Ill.
Denver Tent & Awning Co., Denver, Col.
Detroit Canvas Co., Detroit, Mich.
Dickey Mfg. Co., Toledo, O.
Dougherty Bros. Tent & Awning Co., St. Louis, Mo.
Dreesen (Wm.) Co., Pittsburgh, Pa.
Duluth Tent & Awning Co., Duluth, Minn.
Eareckson (Chas. F.) & Co., Baltimore, Md.
El Paso Tent & Awning Co., El Paso, Tex.
Field (Jas.) Co., Rochester, N. Y.
Fulton Bag & Cotton Mills, Inc., 330 Wythe Av., Bklyn., N. Y. "Hed-room"
Gold Medal Camp Furniture Co., Racine, Wis.
Goss (J. C.) Co., Detroit, Mich.
Haeflinger Awning Co., Cleveland, O.
Haegele, G. A., Helena, Mont.
Hettrick Mfg. Co., Toledo, O.
Hettrick (W. E.) & Son, Inc., Toledo, O. "Het-Son"
Hirsch-Weis Mfg. Co., Portland, Ore.
Hoffman Corr Mfg. Co., Phila., Pa.
Hoigaard (C. J.) & Co., Minneapolis, Minn.
Hooper (Wm. E.) & Sons Co., Baltimore, Md.
Hoyt (Geo. T.) Co., Boston, Mass.
Humphreys (R. A.) Sons, Phila., Pa.
Indianapolis Tent & Awning Co., Indianapolis, Ind.
Jacksonville Tent & Awning Co., Jacksonville, Fla.
Johnson (J. W.) Co., Chicago, Ill.
Kattman & Kneeland Tent Co., Houston, Tex.
K. C. Fabric Products Co., Kansas City, Mo.
Kentucky Tent & Awning Co., Louisville, Ky.
Klos Mfg. Co., Muskogee, Okla.
Laacke (Richard) Co., Milwaukee, Wis.
La Crosse Tent & Awning Co., La Crosse, Wis.
Larsen (I. M.) & Son, Tacoma, Wash.
Lincoln Tent & Awning Co., Lincoln, Neb.
Little Rock Tent & Awning Co., Little Rock, Ark.
McGrew Machine Co., Lincoln, Neb. "De Luxe," "Lincoln," "Standard" (Automobile)
McLeod (A. H.) & Co., Pensacola, Fla.
Madison Tent & Awning Co., Madison, Wis.
Mellus Bros. & Co., Los Angeles, Cal.
Memphis Tent Awning Co., Memphis, Tenn.
Metropolitan Camp Goods Co., Athol, Mass.
Miami Tent & Awning Co., Miami, Fla.
Michigan Tent & Awning Co., Detroit, Mich.
Minnesota Tent & Awning Co., St. Paul, Minn.
Morrison Tent & Awning Co., St. Louis, Mo.
Muchuisen Tent & Awning Co., San Diego, Cal.
Nebraska Tent & Awning Co., Omaha, Neb.
New Orleans Tent & Awning Co., New Orleans, La.
Nicholson (Jas. A.) & Son, Baltimore, Md.
North Alabama Mfg. Co., Gadsden, Ala.
Ohio Canvas Goods Mfg. Co., Toledo, O.
Oklahoma Tent & Awning Co., Oklahoma City, Okla.
O'Neil, T. J., Columbus, O.
Oshkosh Tent & Awning Co., Oshkosh, Wis.
Out West Tent & Awning Co., Colorado Springs, Col.
Pacific Tent & Awning Co., Fresno, Cal.
Pacific Tent & Awning Co., Portland, Ore.
Parker Sunshade Co., Venice, Cal.
Patton (F. J.) Co., Cincinnati, O.
Peoria Tent & Awning Co., Peoria, Ill.
Phoenix Tent & Awning Co., Phoenix, Ariz.
Pioneer Tent & Awning Co., Boise, Idaho
Pittsburgh Waterproof Co., Pittsburgh, Pa.
Poirier Tent & Awning Co., Duluth, Minn.
Pueblo Tent & Awning Co., Pueblo, Colo.
Puget Sound Tent & Duck Co., Seattle, Wash.
Queen City Awning & Tent Co., Cincinnati, O.
Red Head Brand Co., Chicago, Ill.
Rippe, Benj. T., Salt Lake City, Utah
Rippe (Henry) & Bros., Salt Lake City, Utah
Rippe (H.) Tent & Duck Co., St. Louis, Mo.
Rogers Tent & Awning Co., Fremont, Neb.
Rose (Frank) Mfg. Co., Hastings, Neb. (Automobiles)
Rowe (E. L.) & Sons, Gloucester, Mass.
Sabey (Fred F.) Co., Rochester, N. Y.
St. Joseph Tent & Awning Co., St. Joseph, Mo.
St. Paul Tent & Awning Co., St. Paul, Minn.
San Antonio Tent & Awning Co., San Antonio, Tex.
Schaefer Tent & Awning Co., Denver, Colo.
Schilling (L. F.) Co., Salem, O.
Scott Omaha Tent & Awning Co., Omaha, Neb.
Seick Tent & Awning Co., Des Moines, Ia.
Sioux City Tent & Awning Co., Sioux City, Ia.
Smith & Adams, Salt Lake City, Utah
Smith (Arthur F.) Co., 141 Spring, New York, N. Y.
Smith Mfg. Co., Dalton, Ga.
Southern Tent & Awning Co., Lexington, Ky.
Standard Tent & Awning Co., Toledo, O.
Stoll Mfg. Co., Denver Colo.
Strong Bungalow Co. Hartford Conn.
Superior Tent & Awning Co., Superior, Wis.
Swanfelt Tent & Awning Co., Los Angeles, Cal.
Tentobed Co., Chicago, Ill.
Textile Products Mfg. Co., St. Louis, Mo.
Topeka Tent & Awning Co., Topeka, Kan.
Tri City Tent & Awning Co., Davenport, Ia.
Tucker Duck & Rubber Co., Fort Smith, Ark. "Tuduco" (Tents)
Valley Tent & Awning Co., Fresno, Cal.
Voss-Hutten Mfg. Co., Little Rock, Ark.
Wallen Tent & Awning Co., Cedar Rapids, Ia.
Waterhouse Mfg. Co., Los Angeles, Cal. "Soeasy"
Wenzel (H.) Tent & Duck Co., St. Louis, Mo.
Werner Canvas Products Co., 2 Water, Bklyn., N. Y.
Wheeling Tent & Awning Co., Wheeling, W. Va.
Whites Tent, Awning & Bag Co., Sacramento, Cal.
Wigwam Co., Syracuse, N. Y.
Wilcox (M. I.) Co., Toledo, O.
Williams (H. E.) Products Co., Carthage, Mo. (Automobile Awnings)
Willis, Wm. N., Sullivan Sq., Boston, Mass.
Wolf Bros. Tent & Awning Co., Omaha, Neb.
Wolf Tent & Awning Co., Ft. Wayne, Ind.
Wyandotte Awning & Tent Co., Kansas City, Kan.

TENTS, Touring

Anton & Ackerman Co., Topeka, Kans.
Baker-Lockwood Mfg. Co., Inc., Kansas City, Mo.
Brooks Tent & Awning Co., Denver, Col. "Arapahoe"
Canvas Products Co., St. Louis, Mo.
Cleveland-Akron Bag Co., Cleveland, O.
Clifton Mfg. Co., Waco, Tex.
Crusier Motor Car Co., Madison, Wis.
Daniels (C. R.) Inc., 101 Crosby, New York, N. Y.
Dickey Mfg. Co., Toledo, O.
Field (Jas.) Co., Rochester, N. Y.
Fulton Bag & Cotton Mills, Inc., 330 Wythe Av., Bklyn, N. Y. "Hed-room"
Genesee Mfg. Co., Flint, Mich.
Goss (J. C.) Co., Detroit, Mich.
K. C. Fabric Products Co., Kansas City, Mo.
Metropolitan Camp Goods Co., Inc., Athol, Mass. "Whall's"
Michigan Tent & Awning Co., Detroit, Mich. "Omar"
Phoenix Tent & Awning Co., Phoenix, Ariz.
Plummer (W. A.) Mfg. Co., San Francisco, Cal.
Pueblo Tent & Awning Co., Inc., Pueblo, Colo. "Pullman"
Schaefer Tent & Awning Co., Denver, Colo. "Red Seal"
Stoll Mfg. Co., Denver, Colo.
Strong Bungalow Co., Hartford, Conn.
Tentobed Co., Chicago, Ill.
Way Sagless Spring Co., Minneapolis, Minn.
Wenzel (H.) Tent & Duck Co., St. Louis, Mo.
Werner Canvas Products Co., 2 Water, Bklyn., N. Y.
Willis, Wm. N., Sullivan Sq., Boston, Mass.

TENTS, Toy

Canvas Products Co., St. Louis, Mo.
Fuld, Wm., Baltimore, Md.
Fulton Bag & Cotton Mills, Inc., 630 Wythe Av., Bklyn., N. Y.
K. C. Fabric Products Co., Kansas City, Mo.
Triumph Couch Bed Co., Jamaica Plain, Mass.
Werner Canvas Products Co., 2 Water, Bklyn., N. Y.
Zittlosen Mfg. Co., St. Louis, Mo.

TERNE PLATES—See Plates, Terne

TESTERS, Battery—See Gages, Battery; also Hydrometers

TESTERS, Cream—See Testers, Milk and Cream

TESTERS, Egg

Aluminum & Metal Products Corp., Buffalo, N. Y. "Magic"
Collins, W. H., 445 Greenwich, New York, N. Y.
Elbs, John G., Rochester, N. Y.
Hoeft & Co., Inc., 2309 Davis, North Chicago, Ill. "Moe's"
Kentucky Stamping Co., Louisville, Ky. "Kentucko"
Menominee Box & Lbr. Co., Menominee, Mich.
Petaluma Electric Incubator Co., Petaluma, Cal.

TESTERS, Milk and Cream

Cherry-Burrell Corp., Cedar Rapids, Ia. "Burrell Facile"
Creamery Package Mfg. Co., Chicago, Ill.
Kimble Glass Co., Vineland, N. J.
Reliable Incubator & Brooder Co., Quincy, Ill.
Rock Island Mfg. Co., Rock Island, Ill.
Sharples Separator Co., West Chester, Pa.
Vermont Farm Mach. Co., Bellows Falls, Vt.

TESTERS, TIRE PRESSURE—See Gages, Tire Pressure

TETHER BALLS—See Balls, Tether

THEATRICAL STAGE RIGGING

Clancy (J. R.) Inc., Syracuse, N. Y.
Hess (Chas.) Co., 49-14 Metropolitan Av., Bklyn., N. Y.

THERAPEUTIC LAMPS—See Lamps, Therapeutic

THERMOMETERS

American Thermometer Co., St. Louis, Mo.
American Thermo-Ware Co., Inc., 16 Warren, New York, N. Y.
Bauer Thermometer Co., Inc., 332 W. 21st, New York, N. Y.
Beck (Oscar) & Co., 280 Maujer, Bklyn., N. Y.
Boker (H.) & Co., 101 Duane, New York, N. Y.
Chaney Mfg. Co., Springfield, O.
Cherry-Burrell Corp., Cedar Rapids, Ia.
Cooper Oven Thermometer Co., Pequabuck, Conn., "Efficient"
Corbin, P. & F., New Britain, Conn.
Dodge, Albert J., Peterboro, N. H.
Dorfmann Bros., Corona, L. I., N. Y. "Doros"
Greiner Thermometer Co., 412 E. 167th, New York, N. Y.
Griebel Instrument Co., Carbondale, Pa.
Hohman & Maurer Mfg. Co., Rochester, N. Y.
Huddleston, J. S. F., Boston, Mass.
Large-Pike Thermometer Co., Troy, N. Y. "Artistic," "Easy Reading," "L-P Co."
Loveday (W. G.) Co., Salem, Mass. "Clearsite"
Marshall Mfg. Co., Coshocton, O.
Moreneus (E.) Co., Cleveland, N. Y.
Moto Meter Gauge & Equipment Corp., Toledo, O. "Motoco"
Palmer Co., Cincinnati, O.
Philadelphia Thermometer Co., Phila, Pa.
Queen-Grey Co., Phila., Pa.
Randall-Faichney Co., Boston, Mass.
Ray-Bud Studios, Chicago, Ill. "Vogue"
Schreiber (S. M.) Co., 200 W. 34th, New York, N. Y. "Cooper," "Bake-O-Meter," "Ice-O-Meter"
Standard Thermometer Co., Boston, Mass. "Amesbury"
Standard Thermometer Corp., Syracuse, N. Y.
Tagliabue (Chas. J.) Mfg. Co., 540 Park Av., Bklyn., N. Y. "Dial," "Duplimerge," "Durotag," "E. Z. C.," Faultless," "Gotham," "Knickerbocker," "Manhattan," "New Brooke," "Tag," "Tag Elite," "Tag Everlight," "Tagometer," "Tel-A-Fever," "Yorklynn"
Taylor Instrument Companies, Rochester, N. Y. "Tycos"
Testrite Instrument Co., 57 E. 11th, New York, N. Y.
Therm-O-Clock Co., Springfield, O.
Vogue Craft Studios, Chicago, Ill.
Wagner, Carl H., Chicago, Ill.
Weiskopf, Abraham, Chicago, Ill.
Wilder-Pike Thermometer Co., Troy, N. Y. "Artistic Barometer," "Brooder," "Bungalow," "Dairy," "Dora Oven," "Easy Reading," "Household," "Japanned Tin Case," "Mrs. Spratt," "Sally Sweet," "Tin Case," "Window"

THERMOMETERS, Advertising

American Mfg. Concern, Falconer, N. Y.
Bauer Thermometer Co., Inc., 332 W. 21st, New York, N. Y.
Chaney Mfg. Co., Springfield, O. "Jumbo"
Dorfmann Bros., Corona, L. I., N. Y. "Doros"
Loveday (W. G.) Co., Salem, Mass. "Clearsite"
Marshall Mfg. Co., Coshocton, O.
Mayer Mfg. Corp., Chicago, Ill.
National Sheet Metal Co., Peru, Ill.
Nelke L. D., 45 E. 17th, New York, N. Y.
Ohio Thermometer Co., Springfield, O.
Standard Thermometer Corp., Syracuse, N. Y.
Tagliabue (Chas. J.) Mfg. Co., 540 Park Av., Bklyn., N. Y.
Taylor Instrument Companies, Rochester, N. Y.
Up-To-Date Advertising Co., Canisteo, N. Y.
Weinhagen & Hespe, 159 Leonard, New York, N. Y.
Wilder-Pike Thermometer Co., Troy, N. Y.
Winslow Cabot Co., Boston, Mass.

THERMOMETERS, Candy Making and Cooking

Bauer Thermometer Co., Inc., 332 W. 21st, New York, N. Y.
Cooper Oven Thermometer Co., Pequabuck, Conn.
Schreiber (S. M.) Co., 200 W. 34th, New York, N. Y. "Cooper," "Bake-O-Meter"
Taylor Instrument Companies, Rochester, N. Y.
Wilder-Pike Thermometer Co., Troy, N. Y. "Mrs. Spratt," "Sally Sweet"

THERMOMETERS, Dairy

Bauer Thermometer Co., Inc., 332 W. 21st, New York, N. Y.
Cherry-Burrell Corp., Cedar Rapids, Ia.
Freas (Francis L.) Glass Wks., Conshohocken, Pa.
Moeller Instrument Co., 261 Sumpter, Bklyn., N. Y.
Standard Thermometer Corp., Syracuse, N. Y.
Wilder-Pike Thermometer Co., Troy, N. Y. "Dairy"

THERMOMETERS, Household

American Thermometer Co., St. Louis, Mo.
Bauer Thermometer Co., Inc., 332 W. 21st, New York, N. Y.
Chaney Mfg. Co., Springfield, O.
Dorfmann Bros., Corona, L. I., N. Y. "Doros"
Loveday (W. G.) Co., Salem Mass. "Clearsite"
Moeller Instrument Co, 261 Sumpter, Bklyn., N. Y.
Standard Thermometer Co., Inc., Boston, Mass.
Standard Thermometer Corp., Syracuse, N. Y.
Tagliabue (Chas. J.) Mfg. Co., 540 Park Av., Bklyn., N. Y. "Tag"
Taylor Instrument Companies, Rochester, N. Y. "Temperite," "Tycos"
Testrite Instrument Co., 57 E. 11th, New York, N. Y.
Wilder-Pike Thermometer Co., Troy, N. Y. "Artistic Barometer," "Bungalow," "Easy Reading," "Household," "Japanned Tin Case," "Tin Case," "Window"

THERMOMETERS, Incubator

American Thermometer Co., St. Louis, Mo.
American Thermo Ware Co., 16 Warren, New York, N. Y. "Amer Thermo"
Bauer Thermometer Co., Inc., 332 W. 21st, New York, N. Y.
Chaney Mfg. Co., Springfield, O.
Dorfmann Bros., Corona, L. I., N. Y. "Doros"
Freas (Francis L.) Glass Wks., Conshohocken, Pa.
Incubator Moisture Guide Co., Springfield, Mo. "Patterson & Young"
Moeller Instrument Co., 261 Sumpter, Bklyn., N. Y.
Oakes Mfg. Co., Tipton, Ind. "Sturdy-Boy"
Philadelphia Thermometer Co., Phila., Pa.
Reliable Incubator & Brooder Co., Quincy, Ill.
Sheer (H. M.) Co., Quincy, Ill. "Acme"
Standard Thermometer Corp., Syracuse, N. Y.
Taylor Instrument Companies, Rochester, N. Y. "Tycos"
Weinhagen & Hespe, 159 Leonard, New York, N. Y.
Wilder-Pike Thermometer Co., Troy, N. Y. "Brooder"

THERMOMETERS, Oven

Cooper Oven Thermometer Co., Pequabuck, Conn. "Bake-O-Meter," "Efficient," "New England"
O'Hara Waltham Co., Waltham, Mass.
Perfection Stove Co., Inc., 7609 Platt Av., Cleveland, O. "Ivanhoe"
Schreiber (S. M.) Co., 200 W. 34th, New York, N. Y. "Bake-O-Meter"
Standard Thermometer Corp., Syracuse, N. Y.
Wilder-Pike Thermometer Co., Troy, N. Y. "Dora Oven"

THERMOMETERS, Refrigerator

Bauer Thermometer Co., Inc., 332 W. 21st, New York, N. Y.
Cooper Oven Thermometer Co., Pequabuck, Conn. "Efficient," "Ice-O-Meter"
Schreiber (S. M.) Co., 200 W. 34th, New York, N. Y. "Ice-O-Meter"
Wilder-Pike Thermometer Co., Troy, N. Y.

THERMOSTATS—See Regulators, Furnace

THICKNESS GAGES—See Gages, Thickness

THIMBLES, Rope

Laughlin (Thos.) Co., 199 Fore, Portland, Me.
Wilcox, Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.

THIMBLES, Stove Pipe

Adams Co., Dubuque, Ia.
Deshler Mail Box Co., Deshler, O.
Eclipse Metal Mfg. Co., Eden, N. Y.
Frantz Mfg. Co., Sterling, Ill.
Geuder, Paeschke & Frey Co., Milwaukee, Wis.
Howes (S. M.) Co., Boston, Mass.
Jackes-Evans Mfg. Co., 4400 N. Union Blvd., St. Louis, Mo.
Jackson (Edwin A.) Bros., 50 Beekman St., New York, N. Y. "Jaxon"
Kalman Steel Co., Inc., Chicago, Ill.
Kees (F. D.) Mfg. Co., Beatrice, Neb.
Lalance & Grosjean Mfg. Co., Woodhaven, L. I., N. Y. "Royal"
Lawrence Bostwick Mfg. Co., Phelps, N. Y.
Majestic Co., Huntington, Ind.
Moeszinger-Marquis Hdw. Co., Clinton, Ia. "Everlasting"
National Enameling & Stamping Co., Milwaukee, Wis.
Northwest Metal Products, Inc., Seattle, Wash.
Peoria Can Co., Peoria, Ill.
Phillips & Buttorff Mfg. Co., Nashville, Tenn.
Reeves Mfg. Co., Dover, O.
Stearns (E. C.) & Co., Syracuse, N. Y. "McQuire," "Star," "Stearns Ecsco"
Stover Mfg. & Engine Co., Freeport, Ill.
Stuber & Kuck Co., Peoria, Ill.
Swett (A. L.) Iron Wks., Medina, N. Y.
Weber-Kirch Mfg. Co., Keokuk, Ia. "Kirch"
Wheeling Corrugating Co., Wheeling, W. Va.

THREAD GAGES—See Gages, Screw

THREAD KNIVES—See Knives, Shoe

THREADERS, Pipe

Armstrong Bros. Tool Co., 300 N. Francisco Av., Chicago, Ill.
Armstrong Mfg. Co., Bridgeport, Conn.
Borden Co., Warren, O. "Beaver"
Greenfield Tap & Die Corp., Greenfield, Mass. "G T D"
Hall-Will, Inc., Erie, Pa. "Red-E-Hall"
Hart Mfg. Co., Cleveland, O. "Buckeye"
Mechanics Tool & Wrench Co., Greenfield, Mass.
Oster Mfg. Co., Cleveland, O. "Bull Dog," "Bull Pup," "Matchless," "Receder"
Standard Tool Co., Cleveland, O.
Toledo Pipe Threading Mach. Co., Toledo, O.
Union Tool Co., Orange, Mass.
Walworth Co., Boston, Mass. "Walco"
Williams Tool Corp., Erie, Pa.

THREADING MACHINES, Pipe

Armstrong Mfg. Co., Bridgeport, Conn.
Borden Co., Warren, O. "Beaver"
Greenfield Tap & Die Corp., Greenfield, Mass. "G T D"
Hall-Will, Inc., Erie, Pa. "Red-E-Hall"
Landis Machine Co., Waynesboro, Pa.
Modern Tool Wks. Div. of Consolidated Tool Corp. of America, Rochester, N. Y.
Oster Mfg. Co., Cleveland, O. "Oster Power Drive," "Power Boy"
Nye Tool & Machine Wks., Chicago, Ill.
Toledo Pipe Threading Machine Co., Toledo, O.
Williams Tool Corp., Erie, Pa.

THREADING TOOLS—See Tools, Threading

THRESHOLDS

Accurate Metal Weather Strip Co., 216 E. 26th, New York, N. Y. (Brass)
Burk & Fox, Forest, O. "Burfo"
Chase Brass & Copper Co., Waterbury, Conn.
Detroit Hardware Mfg. Co., Detroit, Mich. (Brass)
Imperial Brass Mfg. Co., Chicago, Ill.
Kawneer Co., Niles, Mich.
Logan Co., Louisville, Ky.
Marion Machine, Fdry. & Supply Co., Marion, Ind.
Meyers (Fred J.) Mfg. Co., Hamilton, O.
Michaels Art Bronze Co., Covington, Ky.
Midwest Hardware Co., Chicago, Ill.
National Brass Co., Grand Rapids, Mich.
Rixson (Oscar C.) Co., Chicago, Ill.
Safety Stair Tread Co., Wooster, O.
Service Mfg. Co., Chicago, Ill.
Smith (F. P.) Wire & Iron Wks., Clybourn & Ashland Av., Chicago, Ill.
Stearns (E. C.) & Co., Syracuse, N. Y.
Turner Brass Wks., Sycamore, Ill.

THROTTLE VALVES—See Valves, Throttle

THUMB NUTS—See Nuts, Thumb

THUMB SCREWS—See Screws, Thumb

THUMB TACKS—See Tacks, Thumb

TICKET PUNCHES—See Punches, Ticket

TIE-OUT CHAINS—See Chains, Tie-Out

TIE PRESSERS—See Pressers, Tie, Electric

TIE RACKS—See Racks, Tie

TIES, Bale

(See also Ties, Cotton)

Acme Steel Co., 2838 Archer Av. Chicago, Ill.
American Steel & Wire Co., 208 S. La Salle, Chicago, Ill. "American," "Blue Bonnet"
Atlantic Steel Co., Atlanta, Ga. "Dixisteel"
Auto Fedan Hay Press Co., Kansas City, Mo.
Bethlehem Steel Co., Bethlehem, Pa.
Cary Products Co., Inc., 126 Nassau, Bklyn., N. Y.
Colorado Fuel & Iron Co., Denver, Col.
Consolidated Steel Strapping Co., Chicago, Ill. "Apex," "Signode" (Bands)
Des Moines Bale Tie Co., Des Moines, Ia. "Best Tie Made"
Downey (W. C.) & Co., Springfield, O.
Gulf States Steel Co., Birmingham, Ala. "Gulfsteel"
Interstate Iron & Steel Co., Chicago, Ill.
Keystone Steel & Wire Co., Peoria, Ill.
Kilmer (M. D.) & Co., Cleveland, O.
Kokomo Bale Tie Co., Kokomo, Ind.
Mid-State Steel & Wire Co., Crawfordsville, Ind.
Northwestern Barb. Wire Co., Inc., Sterling, Ill. "Griswold," "Red Head"
Pittsburgh Steel Co., Pittsburgh, Pa.
Shelby Wire Co., Shelby, O.
Stanley Wks., New Britain, Conn.
Union Steel & Wire Co., Indianapolis, Ind.
Wheeling Corrugating Co., Wheeling, W. Va.

TIES, Cattle and Horse

Adams Bros. & Co., Utica, N. Y.
Alexandria Halter Factory, Alexandria, O.
American Chain Co., Inc., Bridgeport, Conn. "Acco," "El-Wel-Co.," "Niagara," "Lock Link," "Tenso"
Bridgeport Chain & Mfg. Co., Bridgeport, Conn. "Brown," "Triumph"
Chain Products Co., 3290 Cooper Av., Cleveland, O. "Hodell"
Cleveland Chain & Mfg. Co., Cleveland, O. "Buckeye," "Electra"
Covert Mfg. Co., Troy, N. Y.
Covert's Saddlery Wks., Interlaken, N. Y. "Little Giant"

TIES, Cattle and Horse (Continued)

Fricke (J. E.) Co., Phila., Pa.
Gem Hammock & Fly Net Co., Milwaukee, Wis.
Hess (Chas.) Co., 40-14 Metropolitan Av., Bklyn., N. Y.
Hogarty, Edw., Unionville, Conn.
Hudson (H. D.) Mfg. Co., Chicago, Ill.
Krein Chain Co., Wapakoneta, O.
McKay Co., Pittsburgh, Pa.
Mundorf Chain Wks., York, Pa.
Ney Mfg. Co., Canton, O.
North & Judd Mfg. Co., New Britain, Conn. "Royal Red Line"
Pratt (Wm. E.) Mfg. Co., Chicago, Ill.
Roy Bros., East Barnet, Vt.
Rugg (E. T.) & Co., Newark, O.
Simonsen Iron Wks., Sioux Rapids, Ia. "So-Boss"

TIES, Cotton

(See also Ties, Bale)

Carnegie Steel Co., Pittsburgh, Pa.
Colorado Fuel & Iron Co., Denver, Colo.
D'Arcy Spring Co., Kalamazoo, Mich.
Friedlander (Julius) & Co., Columbus, Ga.
Pittsburgh Steel Co., Pittsburgh, Pa.
Riverside Mills, Augusta, Ga.
Sharon Steel Hoop Co., Sharon, Pa.

TIES, Cow—See Ties, Cattle

TIES, Hay—See Ties, Bale

TIES, Horse—See Ties, Cattle and Horse

TIGHTENERS, Box Strapping

Acme Steel Co., 2838 Archer Av., Chicago, Ill.
American Casting & Mfg. Corp., 30 Main Bklyn., N. Y.
Brooks (E. J.) Co., 164 N. 13th, Newark, N. J.
Cary Products Co., Inc., 126 Nassau, Bklyn., N. Y.
Consolidated Steel Strapping Co., Chicago, Ill. "Signode"
Gerrard Co., Inc., (Cicero) Chicago, Ill.
Howard (H. J. M.) Mfg. Co., Washington, D. C. "Simplex"
Stanley Wks., New Britain, Conn.
Wire & Steel Products Co., Inc., 212 Van Brunt, Bklyn., N. Y.

TIGHTENERS, CLOTHES LINE—See Clamps, Line

TIGHTENERS, Furniture

De Boer Mfg. Co., Syracuse, N. Y. "Chairstay"
Wittliff Furniture Brace Co., Cleveland, O.

TIGHTENERS, Tire Chain

American Chain Co., Inc., Bridgeport, Conn.
Backus Novelty Co., Smethport, Pa.
Harp Mfg. Co., Galax, Va.
Hykon Mfg. Co., Alliance, O. "Liberty"
Norlund (O. A.) Co., Williamsport, Pa. "Kant-Lose"
Parker Wire Goods Co., Worcester, Mass.
Powers Mfg. Co., Waterloo, Ia.
Specialty Mfg. Co., Arlington, Mass. "Superior"
Trantum, F. W., Jamestown, N. Y.
Wagner Mfg. Co., Cedar Rapids, Ia.
Wittliff Furniture Brace Co., Cleveland, O.

TILE CEMENT—See Cement, Tile

TILE CLEANERS—See Cleaners, Porcelain, Tile and Marble

TILE DRAIN CLEANERS—See Cleaners, Drain, Tile

TILE MARKERS—See Markers, Tile

TILE, Roofing, Metal

Milcor Steel Co., Milwaukee, Wis. "Titelock"

TILE SETTERS' HAMMERS—See Hammers, Tile Setters'

TILE SHOVELS—See Shovels and Spades

TILE SPADES—See Shovels and Spades

TILING SPADES—See Spades, Tiling

TIMBER DOLLIES—See Dollies, Timber

TIME CHECKS—See Checks, Brass, Time, Tool and Pay

TIME CLOCKS—See Clocks, Time

TIME STAMPS—See Stamps, Time

TIME SWITCH CLOCKS—See Clocks, Time Switch

TIMERS, Egg

National Sheet Metal Co., Peru, Ill.
Washburn Company, Worcester, Mass.

TIMERS, Electric, Automatic

General Electric Co., Bridgeport, Conn. "Hot Point"

TIN, Bar

National Lead Co., 111 B'way, New York, N. Y.

TIN, Block

National Lead Co., 111 B'way, New York, N. Y.

TIN FERRULES—See Ferrules, Tin and Sheet Metal

TIN HORNS, Toy—See Horns, Carnival, Toy, etc.

TIN LEAD—See Lead, Tin

TIN MEASURES—See Measures, Tin

TIN, Pig

National Lead Co., 111 B'way, New York, N. Y.

TIN PLATE

American Sheet & Tin Plate Co., Pittsburgh, Pa.
American Steel Co., Pittsburgh, Pa.
Berger Mfg. Co., Canton, O.
Bethlehem Steel Co., Bethlehem, Pa.
Falcon Tin Plate Co., Niles, O.
Hudson Sheet & Tin Plate Co., Marietta, O.
Jones & Laughlin Steel Co., Pittsburgh, Pa.
McKeesport Tin Plate Co., McKeesport, Pa.
Merchant & Evans Co., Phila., Pa.
National Enameling & Stamping Co., Milwaukee, Wis.
Osborn (J. M. & L. A.) Co., Cleveland, O.
Robertson (W. F.) Steel & Iron Co., Cincinnati, O.
Standard Tin Plate Co., Canonsburg, Pa.
Stratton & Terstegge Co., Inc., Mfg. Div., Louisville, Ky. "Falls City"
Trumbull Steel Co., Warren, O.
Washington Tinplate Co., Washington, Pa.
Weirton Steel Co., Weirton, W. Va.
Wheeling Corrugating Co., Wheeling, W. Va.
Wheeling Steel Corp., Wheeling, W. Va. "Wheeling"
Wilkes Rolling Mill Co., Sharon, Pa.
Youngstown Steel Products Co., Youngstown, O.

TIN SOLDIERS—See Soldiers, Toy

TIN TOYS—See kind desired

TIN VALLEY—See Valley, Roofing

TIN WARE—See Ware, Tin

TINNED SPOONS—See Spoons, Tinned

TINNED TABLE WARE—See Ware, Table, Tinned

TINNERS' HAMMERS—See Hammers, Tinners'

TINNERS' NIPPERS—See Nippers, Tinners'

TINNERS' PUNCHES—See Punches, Hand

TINNERS' RIVETS—See Rivets, Tinners'

TINNERS' RULES—See Rules, Tinners'

TINNERS' SHEARS—See Snips, Tinners'

TINNERS' Snip—See Snips, Tinners'

TINNERS' TOOLS and SUPPLIES—See article desired

TINSEL—See Ornaments, Christmas Tree

TINSEL CORD—Flexible—See Cord, Flexible, Tinsel

TINSEL GARLANDS—See Garlands, Tinsel

TIPS, Chair and Crutch, Rubber

Bassick Co., Bridgeport, Conn. "Feltoid"
Combination Rubber Mfg. Co., Trenton, N. J.
Continental Rubber Wks., Erie, Pa.
Durst Mfg. Co., 468 Broadway, New York, N. Y.
Elastic Tip Co., Boston, Mass. "SprinGrip" (Rubber & Leather)
Faultless Rubber Co., Ashland, O.
Foster Rubber Co., Boston, Mass.
Keystone Brass & Rubber Co., Phila., Pa.
Laurel Co., Garfield, N. J. "Superba"
National India Rubber Co., Bristol, R. I.
Quaker City Rubber Co., Phila., Pa.
Rodale Mfg. Co., Inc., Emaus, Pa.
Schacht Rubber Mfg. Co., Huntington, Ind.
Seamless Rubber Co., New Haven, Conn. "Never-Slip"
Uniflex Rubber Co., Rutherford, N. J.
U. S. Rubber Co., 1790 B'way, New York, N. Y.

TIPS, Fishing Rod

Abbey & Imbrie, Utica, N. Y.
Horrocks-Ibbotson Co., Dept. S., Utica, N. Y.
Horton Mfg. Co., Bristol, Conn.
Montague City Rod Co., Montague City, Mass.
Richardson Rod & Reel Co., Chicago, Ill.

TIPS, Furniture Felt

Bassick Co., Bridgeport, Conn. "Feltoid"

TIPS, Gas Burner

American Lava Corp., Chattanooga, Tenn. "Alco"
General Ceramics Co., 71 W. 35th, New York, N. Y.
New Process Metal Corp., 46 Center, Newark, N. J. "Liberty"
Tennessee Burner Mfg. Co., Chattanooga, Tenn.

TIPS, Lava—See Tips, Gas Burner

TIPS, Rubber—See Tips, Chair and Crutch

TIRE BOLTS—See Bolts, Stove and Tire

TIRE CARRIERS—See Holders, Tire

TIRE CHAIN FASTENERS—See Fasteners, Tire Chain

TIRE CHAIN LOCKS—See Locks, Chain, Tire

TIRE CHAIN TIGHTENERS—See Tighteners, Tire Chain

TIRE CHAIN TOOLS—See Tools, Tire Chain Attaching; also Tools, Tire Chain Repair

TIRE CHAINS—See Chain or Grips, Tire, Non-Skid

TIRE CHANGERS—See Changers, Tire

TIRE DISPLAY RACKS—See Racks, Tire Display

TIRE LOCK CHAINS—See Chains, Tire Lock

TIRE LOCKS—See Locks, Spare Tire

TIRE PATCHES—See Patches, Tire Repair

TIRE PRESSURE GAGES—See Gages, Tire Pressure

TIRE PUMPS—See Pumps, Tire

TIRE REPAIR CEMENT—See Cement, Tire Repair

TIRE REPAIR KITS—See Kits, Tire Repair

TIRE STRAPS—See Straps, Leather

TIRE TUBE TESTING TANKS—See Tanks, Tire

TIRE VALVES—See Valves, Tire

TIRE VULCANIZERS—See Vulcanizers, Tire

TIRES, Automobile, Pneumatic

(See also Tubes, Automobile, Inner)

Ajax Rubber Co., Racine, Wis. "Road King"
Auburn Rubber Co., Auburn, Ind. "Arco," "Crown"
Diamond Rubber Co., Inc., Akron, O.
Empire Tire & Rubber Co., Trenton, N. J.
Fisk Tire Co., Chicopee Falls, Mass.
General Tire & Rubber Co., Akron, O. "Jumbo"
Goodrich (B. F.) Rubber Co., Akron, O. "Cavalier," "Commander," "Silvertown"
Goodyear Tire & Rubber Co., Akron, O. "Wingfoot"
Hood Rubber Products Co., Inc., Watertown, Mass.
Kelly-Springfield Tire Co., 1775 B'way, New York, N. Y. "Kant-Slip"
Mansfield Tire & Rubber Co., Mansfield, O. "Century," "Richland"
Michelin Tire Co., Milltown, N. J.
Miller Rubber Co., Inc., Akron, O.
Mohawk Rubber Co., Akron, O. "Little Chief"
Murray Rubber Co., Trenton, N. J.
Northern Rubber Co., Akron, O. "Biltwell," "Luxor," "Northern Quality," "Norwell"
Norwalk Tire & Rubber Co., Norwalk, Conn. "Gold Standard," "Norco," "Ortho"
Pennsylvania Rubber Co., Jeannette, Pa. "Tuxedo"
Pharis Tire & Rubber Co., Newark, O. "Road Gripper"
Quaker City Rubber Co., 3911 Comly, Wissinoming, Phila., Pa. "Quaker"
Seiberling Rubber Co., Akron, O. "All Tread," "Portage"
United States Rubber Co., 1790 B'way, New York, N. Y. "Chain," "Nobby," "Peerless," "Royal," "Traxion," "Usco"

TIRES, Bicycle

Chicago Cycle Supply Co., Chicago, Ill.
Continental Rubber Wks., Erie, Pa.
Federal Rubber Co., Cudahy, Wis.
Firestone Tire & Rubber Co., Akron, O.
Fisk Tire Co., Chicopee Falls, Mass.
Gillette Rubber Co., Eau Claire, Wis.
Goodrich (B. F.) Rubber Co., Akron, O.
Goodyear Tire & Rubber Co., Akron, O.
Indiana Rubber & Insulated Wire Co., Jonesboro, Ind.
Kokomo Rubber Co., Kokomo, Ind.
Miller, Chas. E., Anderson, Ind.
Pennsylvania Rubber Co., Jeannette, Pa.
United States Rubber Co., 1790 B'way, New York, N. Y.

TIRES, Go-Cart

Eclat Rubber Co., Cuyahoga Falls, O.
Gardner Wire Co., Chicago, Ill. "Calcutta"
Patented Products & Rubber Co., Detroit, Mich.

TIRES, Motorcycle—See Tires, Bicycle

TOASTERS, Electric

All-Rite Co., Rushville, Ind.
American Gas Machine Co., Albert Lea, Minn.
Armstrong Appliance Corp., Huntington, W. Va. "Jack-in-the-Box" (Automatic)
Beardsley & Wolcott Mfg. Co., Waterville, Conn. "Torrid"
Bersted Mfg. Co., Chicago, Ill. "Auto-Toastmaker"
Betsy Ross Electric Products Corp., Johnson City, N. Y.
Chicago Electric Mfg. Co., Chicago, Ill.
Chicago Flexible Shaft Co., Chicago, Ill. "Sunbeam"
Coleman Lamp & Stove Co., Wichita, Kansas. "Treasure Chest" (Automatic)
Dominion Electrical Mfg. Co., Minneapolis, Minn. "Toast-O-Matic"
"Double Action" Electric Co., Grand Rapids, Mich. "Toast King"
Dowd-Rogers Co., 95 Madison Av., New York, N. Y.
Eagle Electric Mfg. Co., Inc., 59 Hall, Bklyn., N. Y.
Edison (Thos. A.) Inc., Orange, N. J. "Edicraft" (Automatic)
Electro Mfg. Co., of America, Phila., Pa. (Automatic)
Estate Stove Co., Hamilton, O.
Eureka Tool & Machine Co., 42 Walnut, Newark, N. J.
Everyday Electric Co., Marion, Ind.
Fitzgerald Mfg. Co., Torrington, Conn. "Star-Rite"
Forestek Plating & Mfg. Co., Cleveland, O. "Du-All"
General Electric Co., Bridgeport, Conn. "Hot Point"
Hewitt Electric & Mfg. Co., Arlington, Mass. (Comb. Sandwich)
Hoge Mfg. Co., Inc., 23 E. 21st, New York, N. Y. "Commander"
Jacks-Evans Mfg. Co., St. Louis, Mo. "Aunt Sarah"
Kautenberg (W. E.) Co., Freeport, Ill. "Diamond"
Knapp-Monarch Co., Belleville, Ill. "Therm-A-Hot," "Therm-A-Magic"
Landers, Frary & Clark, New Britain, Conn. "Lafayette," "Landers," "Universal" (Automatic)
Lindemann (A. J.) & Hoverson Co., Cleveland & 1st Aves., Milwaukee, Wis. "Transit Toaster" (also Automatic)
Made-Rite Mfg. Co., Sandusky, O. "O'Kay"
Manning-Bowman & Co., Meriden, Conn.
Mattatuck Mfg. Co., Waterbury, Conn.
Metal Ware Corp., Two Rivers, Wis. "Empire"
National Stamping & Electric Wks., Chicago, Ill. "White Cross"
Pan Electric Mfg. Corp., Cleveland, O. "Toastrite" (China)
Pelouze Mfg. Co., Chicago, Ill.
Proctor & Schwartz Electric Co., Phila., Pa. (Automatic)
Robeson-Rochester Corp., Rochester, N. Y. "Royal Rochester"
Rock Island Mfg. Co., Rock Island, Ill. "Rimco"
Rogers Electric Laboratories Co., Cleveland, O.
Rutenber Electric Co., Marion, Ind. "Flip Flop," "Marion"
Samson-United Corp., Rochester, N. Y.
Sereico Products Corp., 601 W. 26th, New York, N. Y.
Simplex Div., Edison General Electric Appliance Co., Chicago, Ill.
Stern-Brown, Inc., 257 W. 17th, New York, N. Y. "Superstar"
Superior Electric Products Corp., St. Louis, Mo. "Super Lectric" (Also Automatic Toast Server)
Swartzbaugh Mfg. Co., Toledo, O. "Everhot"
Utility Electric Co., St. Louis, Mo. "Toastswell"
Voss Bros. Mfg. Co., Davenport, Ia.
Warge, A. H., 112 Chambers, New York, N. Y.
Waage Electric Co., Chicago, Ill. "Dandy"
Waters-Genter Co., Minneapolis, Minn. "Flexible Clock," "Toastmaster"
Westinghouse Electric & Mfg. Co., Mansfield, O. "Aristocrat" (Automatic)
White Beauty Electric Co., Chicago, Ill.

TOASTERS, Gas, Etc.

American Gas Products Corp., Chrysler Bldg., New York, N. Y.
Clark (J. L.) Mfg. Co., Rockford, Ill.
Detroit-Michigan Stove Co., Detroit, Mich. "Garland," "Jewel"
Dormeyer (A. F.) Mfg. Co., Chicago, Ill. "Ideal"
Hall & Carpenter, Phila., Pa. "Crown"
Hamblin & Russell Mfg. Co., Worcester, Mass.
Kinne Metalware Co., Minneapolis, Minn.
National Enameling & Stamping Co., Milwaukee, Wis.
Parker Wire Goods Co., Worcester, Mass.
Perfection Stove Co., Inc., 7609 Platt Av., Cleveland, O.
Racine Iron & Wire Wks., Racine, Wis.
Standard Gas Equipment Corp., 18 E. 41st, New York, N. Y. "Vulcan"
United Steel & Wire Co., Battle Creek, Mich.
Washburn Company, Worcester, Mass.
Wilson Mfg. Co., Niles, O. "Acme," "Jewel," "Ohio," "Pittsburgh," "Pyramid'

TOASTERS, Sandwich, Electric

Dominion Electrical Mfg. Co., Minneapolis, Minn. "Sandwich Queen"
Edison (Thos. A.), Inc., Orange, N. J. "Edicraft"
Foresteh Plating & Mfg. Co., Cleveland, O.
Hewitt Electric & Mfg. Co., Arlington, Mass.
Jackes-Evans Mfg. Co., St. Louis, Mo. "Aunt Sarahs'"
Knapp-Monarch Co., Belleville, Ill. "Therm-a-Hot"
Landers, Frary & Clark, New Britain, Conn.
Swartzbaugh Mfg. Co., Toledo, O. "Everhot"
Westinghouse Elec. & Mfg. Co., Mansfield, O.

TOASTING FORKS—See Forks, Toasting

TOBACCO CUTTERS—See Cutters, Tobacco

TOBACCO SPUDS

Atkins (E C.) & Co., Indianapolis, Ind.
Ohlen-Bishop Co., Columbus, O.

TOBOGGAN SLIDES—See Slides, Toboggan

TOBOGGANS

Bredenberg Bros., Inc., Champlain, N. Y. "Broadmount"
Duluth Wood Specialty Co., Duluth, Minn. "Fun for the Kids," "Skootabog," "Wan-Gard," "Winner"
Lund (C. A.) Co., Hastings, Minn.
Meinecke (A.) & Son, Milwaukee, Wis.
Northland Ski Mfg. Co., St. Paul, Minn.
Paris Mfg. Co., South Paris, Me.
Spalding (A. G.) & Bro., 105 Nassau, New York, N. Y.
Starks (Geo. L.) & Co., Saranac Lake, N. Y.
Strand, M. A., New Richmond, Wis.

TOE GUARDS—See Guards, Toe

TOGGLE BOLTS—See Bolts, Toggle

TOILET BOWL BRUSHES—See Brushes, Toilet Bowl

TOILET, Closet, Tanks—See Tanks, Toilet, Closet

TOILET PAPER—See Paper, Toilet

TOILET PAPER HOLDERS—See Holders, Toilet Paper

TOILET SEATS—See Seats, Toilet

TOILETS, Chemical

Chemical Toilet Corp., Syracuse, N. Y. "San-Equip"
Dail Steel Products Co., Lansing, Mich. "Wolverine"
Dobbins Mfg. Co., N. St. Paul, Minn. "Blue Ribbon," "D & B," "Winner"
Globe American Corp., Kokomo, Ind. "Sanitor"
Hart Mfg. Co., Louisville, Ky.
Independent Register & Mfg. Co., Cleveland, O. "Eureka"
Kaustine Co., Inc., Buffalo, N. Y.
Lamothe (E. J.) Co., Somerville, Mass. "Lamco"
Sierra Mfg. Co., Pasadena, Cal.
Silvers Mfg. Co., Waterloo, Ia.
Smith System Heating Co., Minneapolis, Minn.
Superior Churn & Mfg. Co., Northville, Mich.
United Engine Co., Lansing, Mich.
Western Metal Specialty Co., Milwaukee, Wis. "Chem-O-Let," "Standard Automatic"

TOILETS, Waterless

Chemical Toilet Corp., Syracuse, N. Y. "San-Equip"
Waterman-Waterbury Co., Minneapolis, Minn.
Western Metal Specialty Co., Milwaukee, Wis. "Chem-O-Let"

TONGS, Blacksmiths'

Bonney Forge & Tool Wks., Allentown, Pa.
Champion DeArment Tool Co., Meadville, Pa.
Dallett (Thos. H.) Co., Phila., Pa.
Evansville Tool Wks., Inc., Evansville, Ind. "E. T. W."
Heller Bros. Co., 879 Mt. Prospect Av., Newark, N. J.
Hess (Chas.) Co., 49-14 Metropolitan Av., B'klyn, N. Y.
Iron City Tool Wks., Pittsburgh, Pa.
Moore Drop Forging Co., Springfield, Mass.
Plumb (Fayette R.), Inc., Phila., Pa.
Stanley Wks., New Britain, Conn. "Stanley-Atha"
Stearns (E. C.) & Co., Syracuse, N. Y.
Vaughan & Bushnell Mfg. Co., Chicago, Ill.
Warren Tool & Forge Co., Warren, O. "Quickwerk"

TONGS, Clinker

Adams Co., Dubuque, Ia.
B. B. Specialty Co., Minneapolis, Minn. "Perfection"
Ennis Mfg. Co., Reading, Pa.
Household Utilities Co., Wayne, Mich. "Handy Andy"
Staley Mfg. Corp., Columbus, Ind.
Stover Mfg. & Engine Co., Freeport, Ill.

TONGS, Household

Gordon Mfg. Co., 110 E. 23rd, New York, N. Y. "Safeway"
Pom, Lake Shore Blvd. & Lloyd Rd., Cleveland, O.

TONGS, Ice

American Saw & Tool Wks., Chicago, Ill.
Arcade Mfg. Co., Freeport, Ill.
Bonney Forge & Tool Wks., Allentown, Pa.
Briddell, Chas. D., Crisfield, Md. "Stan-More"
Chatillon (John) & Sons, 85 Cliff, New York, N. Y.
Columbus Handle & Tool Corp., Works of the National Handle Co., Columbus, Ind.
Fanner Mfg. Co., Brookside Pk., Cleveland, O. "Jitney"
Gruman Ice Tool Wks., Branchville, Conn.
Henderson, D., Dallas, Tex.
Hess (Chas.) Co., 49-14 Metropolitan Av., B'klyn, N. Y. "A.B.C.," "Superior"
Hoosier Metal Products, Inc., Columbus, Ind.
Kees (F. D.) Mfg. Co., Beatrice, Neb. (Household)
Louden Mchy. Co., Fairfield, Ia.
Marion Craftsman Tool Co., Marion, Ind.
Napier Co., 389 5th Av., New York, N. Y. (Miniature)
Parks & Parks, Troy, N. Y. "Little Giant"
Pickering Hdw. Co., Cincinnati, O. "Cincinnati"
Ray (Geo. A.) Mfg. Co., Buffalo, N. Y.
Smith (F. P.) Wire & Iron Wks., Chicago, Ill.
Sommer (J. L.) Mfg. Co., 251 New Jersey Railroad Av., Newark, N. J.
Staatsburg Ice Tool Works, Staatsburg-on-the-Hudson, N. Y. "Handy"
Stortz (John) & Son, Phila., Pa.
Streeter (N. R.) & Co., Rochester, N. Y. "Sensible"
Vaughan & Bushnell Mfg. Co., Chicago, Ill. "Jack Frost," "V. & B."
Williamson (C. T.) Wire Novelty Co., 53 Badger Av., Newark, N. J.

TONGS, Oyster and Clam

Briddell, Chas. D., Crisfield, Md.
Ennis Mfg. Co., Reading, Pa. (Crab)
Hess (Chas.) Co., 49-14 Metropolitan Av., B'klyn, N. Y. (Oyster)

TONGS, Pipe

Armstrong Bros. Tool Co., 300 N. Francisco Av., Chicago, Ill.
Darling Valve & Mfg. Co., Williamsport, Pa.
Jarecki Mfg. Co., Erie, Pa.
Kroeschell Bros. Co., Chicago, Ill. "Ideal"
Mueller (H.) Mfg. Co., Decatur, Ill.
Saunders' (D.) Sons, Yonkers, N. Y.
Walworth Co., Boston, Mass. "Bostong"
Williams (J. H.) & Co., Buffalo, N. Y. "Falcon," "Vulcan"

TONGS, Rivet

Evansville Tool Wks., Inc., Evansville, Ind. "E. T. W."
Iron City Tool Works, Pittsburgh, Pa.

TONGS, Skidding

American Logging Tool Co., Evart, Mich.
Dixie Logging Tool Co., Chattanooga, Tenn.
Warren Axe & Tool Co., Warren, Pa. "Bull Dog"

TOOL BAGS or ROLLS—See Bags or Rolls, Tool

TOOL BOXES—See Boxes, Tool

TOOL CABINETS—See Cabinets, Tool

TOOL CHECKS—See Checks, Brass, Time, Tool and Pay

TOOL CHESTS—See Chests, Tool

TOOL CHESTS, Boys'—See Chests, Tool, Boys'

TOOL CLEANERS—See Cleaners, Pipe Tool

TOOL GRINDERS—See Grinders, Bench

TOOL HOLDER BITS—See Bits, Tool Holder

TOOL HOLDERS—See Holders, Tool

TOOL KITS—See Kits, Tool

TOOLMAKERS' CLAMPS—See Clamps, Toolmakers'

TOOL RACKS—See Racks, Tool

TOOL SETS—See Sets, Tool; also Kits, Tool

TOOL SHARPENERS—See Sharpeners, Tool

TOOL SOCKETS—See Sockets, Tool

TOOL STEEL—See Steel, Tool

TOOL STONES—See Stones, Tool

TOOL WEDGES—See Wedges, Box, Spoke and Tool

TOOLS—See kind desired

TOOLS, Assorted—See Tools, in Assortments

TOOLS, Automobile, Body and Fender

Cincinnati Tool Co., Montgomery Rd., Cincinnati, O.
Cream City Tool & Mfg. Co., Milwaukee, Wis. "Peerless"
Evansville Tool Wks., Inc., Evansville, Ind.
Fairmount Tool & Forging Co., Cleveland, O.
Fostoria Pressed Steel Corp., Fostoria, O.
Hammett Mfg. Co., Kansas City, Mo.
Marcy Tool Wks., Putnam, Conn.
Osborne (C. S.) & Co., Box 183, Newark, N. J.
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Stanley Wks., New Britain, Conn. "Atha"
Trimont Mfg. Co., Inc., Roxbury (Boston), Mass. "Trimo-Ferguson"

TOOLS, Beading

Brunner & Lay Co., Chicago, Ill.
Chapin-Stephens Co., Pine Meadow, Conn.
Cleveland Steel Tool Co., Cleveland, O.
Eagle Tool Wks., Bayonne, N. J.
Fairmount Tool & Forging Co., Cleveland, O.
Iron City Tool Wks., Pittsburgh, Pa.
Leetonia Tool Co., Leetonia, O.
Lovejoy Tool Wks., Chicago, Ill.
Marshalltown Trowel Co., Marshalltown, Ia.
Pittsburgh Trolley & Forge Co., Pittsburgh, Pa.
Plomb Tool Co., Los Angeles, Cal.
Pratt & Whitney Co., Hartford, Conn.
Rose (Wm.) & Bros., Sharon Hill, Pa.
Ryerson (Jos. T.) & Son, Chicago, Ill.
Stanley Wks., New Britain, Conn.
Structural Tool Co., Cleveland, O.
Wiedeke (Gustav) & Co., Dayton, O.

TOOLS, Blacksmiths'—See article desired

TOOLS, Boring

Armstrong Bros. Tool Co., 300 N. Francisco Av., Chicago, Ill.
Maxwell Products Co., Cleveland, O. "E-Z"
Specialty Device Co., Cincinnati, O. "Standard" (Well)
Stanley Wks., New Britain, Conn.
Toledo Pipe Threading Mach. Co., Toledo, O.

TOOLS, Butchers'—See article desired

TOOLS, Calking

Albert Tool Co., Mercer, Pa.
Carver Tool Wks., Spring Valley, N. Y.
Crescent Tool & Mfg. Co., St. Louis, Mo.
Delaware Tool Co., Wilmington, Del.
Drew (C.) & Co., Kingston, Mass. "In and Out"
Eagle Tool Wks., Bayonne, N. J.
Fairmount Tool & Forging Co., Cleveland, O.
Hood Bros., Oxford St., Phila., Pa.
Iron City Tool Wks., Pittsburgh, Pa.
Johnson (William), Inc., 36 Brenner, Newark, N. J.
Laughlin (Thos.) Co., 199 Fore, Portland, Me.
Leetonia Tool Co., Leetonia, O.
Lovejoy Tool Wks., Chicago, Ill.
Mack & Co., Rochester, N. Y. "D. R. Barton"
Marcy Tool Wks., Putnam, Conn.
Mound Tool Co., St. Louis, Mo.
Mueller (H.) Mfg. Co., Decatur, Ill.
Phillips (F.) & Son, Baltimore, Md.
Plomb Tool Co., Los Angeles, Cal.
Stortz (John) & Son, Phila., Pa.
Union Iron Wks., Hoboken, N. J.
Wilcox, Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.

TOOLS, Carpenters'—See article desired

TOOLS, Cartridge Loading—See Tools, Loading, Cartridge and Shell

TOOLS, Cement and Concrete

Atkins (E. C.) & Co., Indianapolis, Ind.
Bonney Forge & Tool Wks., Allentown, Pa.
Brunner & Lay Co., Chicago, Ill.
Buckeye Iron & Brass Wks., Dayton, O.
Cincinnati Tool Co., Montgomery Rd., Cincinnati, O.
Columbus Handle & Tool Corp., Works of the National Handle Co., Columbus, Ind.
Crescent Tool & Mfg. Co., St. Louis, Mo.
Dallett (Thos. H.) Co., Phila., Pa.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Drew (C.) & Co., Kingston, Mass.
Duffy Mfg. Co., Chicago, Ill.
Ennis Mfg. Co., Reading, Pa.
Goldblatt Tool Co., Kansas City, Mo.
Gray Iron Foundry Co., Reading, Pa.
Holtum Mfg. Co., Freeport, Ill.
Kramer Bros. Foundry Co., Dayton, O.
Marshalltown Trowel Co., Marshalltown, Ia.
Plomb Tool Co., Los Angeles, Cal.
Stearns (E. C.) & Co., Syracuse, N. Y. "Stearns Ecsco"
Sterling Wheelbarrow Co., Milwaukee, Wis.
Stortz (John) & Son, Phila., Pa.
Vogl (Geo.) Tool Co., Kansas City, Mo.
Wrightsville Hdw. Co., Wrightsville, Pa.

TOOLS, Combination

Bridgeport Hdw. Mfg. Corp., Bridgeport, Conn. "Tomahawk"
Edelmann (E.) & Co., Chicago, Ill. (3 Screw Drivers in Handle) (4 Screw Drivers in 1)

TOOLS, Coopers'

(See also article desired)

Collins Co., Collinsville, Conn. "Legitimus"
Colwel Cooperage Co., Fort Jersey Av., Jersey City, N. J.
Drew (C.) & Co., Kingston, Mass.
Iron City Tool Works, Pittsburgh, Pa.
Mack Tool Co., East Rochester, N. Y. "D. R. Barton"
Redlich Mfg. Co., Chicago, Ill.
White (L. & I. J.) Co., Division of the Simonds-Worden-White Co., Dayton, O.

TOOLS, Cutting Off

Armstrong Bros. Tool Co., 300 N. Francisco Av., Chicago, Ill.

TOOLS, Decorators'—See Tools, Painters' and Decorators'

TOOLS, Electric Hammer

Cincinnati Tool Co., Montgomery Rd., Cincinnati, O.

TOOLS, Farm—See article desired

TOOLS, Farriers'

(See also article desired)

Champion DeArment Tool Co., Meadville, Pa. "Air Pride"
Heller Bros. Co., 879 Mt. Prospect Av., Newark, N. J.
Iron City Tool Wks., Pittsburgh, Pa.

TOOLS, Fence

American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.

TOOLS, Firing, Boiler Room

Hess (Chas.) Co., 49-14 Metropolitan Av., B'klyn, N. Y.
Huyette (Paul) Co., Phila., Pa. "Hi-Heat"

TOOLS, Foundrymen's—See Tools, Molders'

TOOLS, Framing—See Squares, Framing

TOOLS, Garden—See article desired

TOOLS, Hay Unloading

Ney Mfg. Co., Canton, O.

TOOLS, Household

Atkins (E. C.) & Co., Indianapolis, Ind.
Gray Iron Foundry Co., Reading, Pa.
Southington Hdw. Co., Southington, Conn.
Stanley Wks., New Britain, Conn.

TOOLS, Ice

(See also article desired)

Arcade Mfg. Co., Freeport, Ill.
Bonney Forge & Tool Wks., Allentown, Pa.
Briddell, Chas. D., Crisfield, Md.
Columbus Handle & Tool Corp., Works of the National Handle Co., Columbus, Ind.
Gruman Ice Tool Wks., Branchville, Conn.
Heartley Mach. Variety Iron & Tool Wks., Toledo, O.
Staatsburg Ice Tool Works, Staatsburg-on-the-Hudson, N. Y.
Stevens (Benj.) & Co., Toledo, O.

TOOLS, In Assortments

(See also Chests, Tool, with Assorted Tools)

Economy Mfg. Co., Phila., Pa.
North Bros. Mfg. Co., Phila., Pa. "Yankee"
Stanley Wks., New Britain, Conn.

TOOLS, Kitchen—See Kitchen Tools

TOOLS, Knurling

American Swiss File & Tool Co., Elizabeth, N. J.
Armstrong Bros. Tool Co., 300 N. Francisco Av., Chicago, Ill.
Brown & Sharpe Mfg. Co., Providence, R. I. (Knurl Holder)
Billings & Spencer Co., Hartford, Conn.
Hardware Products Co., Boston, Mass.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Pratt & Whitney Co., Hartford, Conn.

TOOLS, Lathe and Planer

Armstrong Bros. Tool Co., 300 N. Francisco Av., Chicago, Ill.
Billings & Spencer Co., Hartford, Conn.
Brown & Sharpe Mfg. Co., Providence, R. I.
Gisholt Mach. Co., Madison, Wis.
Haynes Stellite Co., 30 E. 42d, New York, N. Y.
Marcy Tool Wks., Putnam, Conn.
Milwaukee Tool & Forge Co., Milwaukee, Wis.
O. K. Tool Holder Co., Shelton, Conn.
Pratt & Whitney Co., Hartford, Conn. "Johnson," "Rhodes," "Woodbridge"
Ready Tool Co., Bridgeport, Conn. "Red-E."
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Smith (R. G.) Tool & Mfg. Co., 245 N. J. R. R. Av., Newark, N. J.
South Bend Lathe Wks., South Bend, Ind.
Stortz (John) & Son, Phila., Pa.
Thompson (Henry G.) & Son Co., New Haven, Conn. "Carr"
Union Tool Co., Orange, Mass.
Wallace (J. D.) & Co., Chicago, Ill.
Williams (J. H.) & Co., Buffalo, N. Y.

TOOLS, Leathercraft

Osborne (C. S.) & Co., Box 183, Newark, N. J.

TOOLS, Loading, Cartridge and Shell

Modern Bond Co., Wilmington, Del.
Neidner Rifle Corp., Dowagiac, Mich.

TOOLS, Logging

American Logging Tool Co., Evart, Mich.
Dixie Logging Tool Co., Chattanooga, Tenn.
Warren Axe & Tool Co., Warren, Pa. "Bull Dog"

TOOLS, Machinists'

Brown & Sharpe Mfg. Co., Providence, R. I.
Lufkin Rule Co., Saginaw, Mich.
Starrett (L. S.) Co., Athol, Mass.

TOOLS, Masons'

(See also article desired)

Bridgeport Hdw. Mfg. Corp., Bridgeport, Conn.
Brunner & Lay, Chicago, Ill.
Crescent Tool & Mfg. Co., St. Louis, Mo.
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Drew (C.) & Co., Kingston, Mass.
Economy Mfg. Co., Phila., Pa.
Fairmount Tool & Forging Co., Cleveland, O.
Goldblatt Tool Co., Kansas City, Mo.
Gray Iron Fdry. Co., Reading, Pa.
Granite City Tool Co., Inc., Barre, Vt.
Iron City Tool Wks., 3201 Smallman, Pittsburgh, Pa.
Johnson (William), Inc., 36 Brenner, Newark, N. J.
Maydole (David) Tool Corp., Norwich, N. Y.
Marshalltown Trowel Co., Marshalltown, Ia.
Phillips (F.) & Son, Baltimore, Md.
Plomb Tool Co., Los Angeles, Cal.
Racky, Albert C., Chicago, Ill.
Rose (Wm.) & Bros., Sharon Hill, Pa.
Stanley Wks., New Britain, Conn.
Trow & Holden Co., Barre, Vt.
Vaughan & Bushnell Mfg. Co., Chicago, Ill.
Vogl Tool Co., Kansas City, Mo.
Vulcan Tool Mfg. Co., Quincy, Mass.

TOOLS, Mechanics'

American Swiss File & Tool Co., Elizabeth, N. J.
Cincinnati Tool Co., Montgomery Rd., Cincinnati, O.
Drew (C.) & Co., Kingston, Mass.
Fairmount Tool & Forging Co., Cleveland, O.
Hood Bros., Oxford St., Philadelphia, Pa.
Osborne (C. S.) & Co., Box 183, Newark, N. J.
Plomb Tool Co., Los Angeles, Cal.
Southington Hdw. Co., Southington, Conn.
Tuck Mfg. Co., Brockton, Mass.
Village Blacksmith Folks, Watertown, Wis.

TOOLS, Molders'

(See also article desired)

Burr's Damascus Tool Works, Detroit, Mich.
Dobson, Wm., Canastota, N. Y.
Monk, Chas., 83 18th, B'klyn, N. Y.

TOOLS, Ornamenting, Cake

Sandvik Saw & Tool Corp., Minneapolis, Minn. "Rosette" (Imported)
Thomsen (Aug.) & Co., 488 Woodward Av., B'klyn, N. Y. "Ateco"

TOOLS, Painters' and Decorators'

(See also article desired)

Hyde Mfg. Co., Southbridge, Mass.
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass. "Mohawk"
Motor Industries Co., La Crosse, Wis. "Lightning Rotary Striper"
Murray-Black Co., Springfield, O. "Standard"
Ridgely Trimmer Co., Springfield, O.
Swaine (John) Architectural Iron Wks., Springfield, Mass.

TOOLS, Patternmakers'

Cincinnati Tool Co., Montgomery Rd., Cincinnati, O.

TOOLS, Planer—See Tools, Lathe and Planer

TOOLS, Plumbers'
(See also article desired)

Armstrong Bros. Tool Co., 300 N. Francisco Av., Chicago, Ill.
Bernz (Otto) Co., Inc., Rochester, N. Y. "Always Reliable"
Delaware Tool Co., Wilmington, Del.
Crescent Tool & Mfg. Co., St. Louis, Mo.
Drew (C.) & Co., Kingston, Mass.
Fairmount Tool & Forging Co., Cleveland, O.
Good Bros., Phila., Pa.
Johnson (William), Inc., 36 Brenner, Newark, N. J.
Ohlen-Bishop Co., Columbus, O.
Osborne (C. S.) & Co., Box 183, Newark, N. J.
Oxford Tool Co., Phila., Pa.
Plomb Tool Co., Los Angeles, Cal.
Rainey Mfg. Co., Titusville, Pa.
Tiffany (Carroll R.), Conklin, N. Y.
Williams (J. H.) & Co., Buffalo, N. Y. "Falcon," "Vulcan"

TOOLS, Pneumatic
(See also article desired)

Chicago Pneumatic Tool Co., 6 E. 44th, New York, N. Y.
Cleveland Pneumatic Tool Co., Cleveland, O.
Dallett (Thos. H.) Co., Phila., Pa.
Granite City Tool Co., Inc., Barre, Vt.
Helwig Mfg. Co., St. Paul, Minn.
Independent Pneumatic Tool Co., Chicago, Ill. "Thor"
Ingersoll-Rand Co., 11 B'way, New York, N. Y. "Little David"
Keller (Wm. H.), Inc., Grand Haven, Mich. "Super"
Livingston Co., Rockland, Me.
Oldham (Geo.) & Son, Phila., Pa.
Reed-Prentice Co., Worcester, Mass. "Wolf" (Saws)
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Trow & Holden Co., Barre, Vt. "Barre"
Turbine Air Tool Co., Cleveland, O.
Wooding-Verona Tool Wks., Verona, Pa.

TOOLS, Pole Line Construction

Columbus Handle & Tool Corp., Works of the National Handle Co., Columbus, Ind.

TOOLS, Precision—See Tools, Machinists'

TOOLS, Roofing
(See also article desired)

Ajax Building Bracket Co., Cleveland, Heights, O. (Slate Cutter) "Burfo"
Belden Mach. Co., New Haven, Conn. "Bel-den"
Burritt (O. W.) & Bro., Weedsport, N. Y.
Cattaraugus Cutlery Co., Little Valley, N. Y. (Knives)
Milcor Steel Co., Milwaukee, Wis.
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"

TOOLS, Saw

Atkins (E. C.) & Co., Indianapolis, Ind. "Perfection," "Wallace"
Disston (Henry) & Sons, Inc. (Tacony), Phila., Pa.
Simonds Saw & Steel Co., Fitchburg, Mass.
Southern Saw Wks., Atlanta, Ga.
Stearns (E. C.) & Co., Syracuse, N. Y.

TOOLS, Sheet and Metal Workers'

Crescent Tool Mfg. Co., St. Louis, Mo.
Fairmount Tool & Forging Co., Cleveland, O.
Osborn (J. M. & L. A.) Co., Cleveland, O.
Osborne (C. S.) & Co., Box 183, Newark, N. J.
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.

TOOLS, Shell Loading—See Tools, Loading, Cartridge and Shell

TOOLS, Shoe Repair

Pate-Root-Heath Co., 1333 High, Plymouth, O.
Scholhorn (Wm.) Co., New Haven, Conn. "Bernard"
Star Heel Plate Co., Louis Sacks, Inc., 357 Wilson Av., Newark, N. J.

TOOLS, Slaters'—See Tools, Roofing

TOOLS, Stone Cutters'

Crescent Tool Mfg. Co., St. Louis, Mo.
Collins Co., Collinsville, Conn. "Legitimus"
Dallett (Thos. H.) Co., Phila., Pa.
Granite City Tool Co., Inc., Barre, Vt.
Iron City Tool Wks., Pittsburgh, Pa.
Livingston Co., Rockland, Me.
Trow & Holden Co., Barre, Vt.

TOOLS, Threading
(See also Stocks, Die, Pipe)

Armstrong Bros. Tool Co., 300 N. Francisco Av., Chicago, Ill.
Armstrong Mfg. Co., Bridgeport, Conn.
Federal Products Corp., Providence, R. I.
Gardner Tap & Die Co., Marion, O.
Geometric Tool Co., New Haven, Conn.
Greenfield Tap & Die Corp., Greenfield, Mass. "G T D"
Luers, Inc., Detroit, Mich.
Mechanics Tool & Wrench Co., Greenfield, Mass.
Modern Tool Co., Erie, Pa.
National Acme Co., Cleveland, O. "Namco"
Oster Mfg. Co., Cleveland, O. "Bull Dog," "Bull Pup," "Receder"
Rickert-Shafer Co., Erie, Pa.
Rivett Lathe & Grinder Co., 20 Riverview Rd., Boston, Mass.
Russell Mfg. Co., Greenfield, Mass.
Ryerson (Jos. T.) & Son, Chicago, Ill.
Smith (R. G.) Tool & Mfg. Co., 245 N. J. R. R. Av., Newark, N. J.
Victor Tool Co., Waynesboro, Pa.
Williams (J. H.) & Co., Buffalo, N. Y.
Williams Tool Corp., Erie, Pa.
Winter Bros. Co., Wrentham, Mass.

TOOLS, Threading, Pipe
(See also Tools, Threading)

Armstrong Bros. Tool Co., 300 N. Francisco Av., Chicago, Ill.
Armstrong Mfg. Co., Bridgeport, Conn.
Borden Co., Warren, O. "Beaver"
Greenfield Tap & Die Corp., Greenfield, Mass. "G T D," "Little Giant"
Hart Mfg. Co., 2319 E. 20th, Cleveland, O. "Duplex"
Oster Mfg. Co., Cleveland, O. "Bull Dog," "Bull Pup," "Receder"
Toledo Pipe Threading Mach. Co., Toledo, O.
Walworth Co., Boston, Mass.
Williams Tool Corp., Erie, Pa.

TOOLS, Tire Chain Attaching

American Chain Co., Inc., Bridgeport, Conn.
Central Brass & Fixture Co., Springfield, O. "Buckeye"
Foss-Hughes Co., Phila., Pa. "Right Way"
Kraeuter & Co., 583 18th Av., Newark, N. J.

TOOLS, Tire Chain Repair

American Chain Co., Inc., Bridgeport, Conn.
Bergman Tool Mfg. Co., Buffalo, N. Y. "Blue Bird"
Kraeuter & Co., 583 18th Av., Newark, N. J.
McKaig-Hatch Co., Inc., Buffalo, N. Y.
Robinson (M. W.) Co., 28 Warren, New York, N. Y. "Necessity"
Shelley Tool Co., Saranac Lake, N. Y.

TOOLS, Toy

Grey Iron Casting Co., Mt. Joy, Pa.
Knapp Elec., Inc., Portchester, N. Y. (Machine Shop)
Wrightsville Hdw. Co., Wrightsville, Pa.

TOOLS, Turning

Greenlee Tool Co., Rockford, Ill.
Ohlen-Bishop Co., Columbus, O.

TOOLS, Upholsterers'

Osborne (C. S.) & Co., Box 183, Newark, N. J.

TOOLS, Wood Carving
(See also article desired)

Buck Bros., Millbury, Mass.
Cassell, Fred., Grand Rapids, Mich.
Ekstrom, Carlson & Co., Rockford, Ill.
Henckels (J. A.), Inc., 456 4th Av., New York, N. Y. "Twin Brand"
Mack & Co., Rochester, N. Y. "Addis," "D. R. Burton"
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Porter (C. O.) Mchy. Co., Grand Rapids, Mich.

TOOTH BRUSH HOLDERS—See Holders, Tooth Brush

TOOTH FILES—See Files, Tooth

TOOTH PASTE DISPENSERS—See Dispensers, TOOTH PASTE

TOP AND UPHOLSTERY DRESSINGS, Automobile—See Dressings, Top and Upholstery, Automobile

TOPS, Chimney, Revolving

Adams Co., Dubuque, Ia.
Howes (S. M.) Co., Boston, Mass.
Iwan Bros., South Bend, Ind. "Volcano"
Milcor Steel Co., Milwaukee, Wis.
Quinn Wire & Iron Wks., Boone, Ia. "Daisy"
Sterling Fdry. Co., Sterling, Ill. "Best"

TOPS, Gas Range

Favorite Stove & Range Co., Piqua, O. "Hot-Top"
Pearce (Wm. H.) & Co., Phila., Pa.

TOPS, Percolator

Canton Glass Co., Marion, Ind.
Fry (H. C.) Glass Co., Rochester, Pa.
Gardella Mfg. Co., Cleveland, O. "Break-No-More"
Hocking Glass Co., Lancaster, O.
Jenkins (D. C.) Glass Co., Kokomo, Ind.
Technical Glass Co., Inc., Los Angeles, Cal. "Tegco"

TOPS, Spinning

American Toy Shop, Milwaukee, Wis.
Arcade Mfg. Co., Freeport, Ill.
Bogert & Hopper, 223 Varick, New York, N. Y. (Wood)
Chicago Ferrule & Nut Co., Chicago, Ill. (Musical)
Conestoga Corp., Bethlehem, Pa. "Ro-To-Top"
Converse-Mason Corp., Winchendon, Mass. (Metal)
Daisy Mfg. Co., Plymouth, Mich. "Flying Top"
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Federal-Buster Corp., Pittsburgh, Pa. (Gyroscope)
Frary Mfg. Co., Charlemont, Mass.
Gibbs Mfg. Co., Canton, O. "O-Hi-O" (Metal, also Come Back)
Hurst (L. J.) Mfg. Co., Indianapolis, Ind. (Gyroscope)
Lindstrom Tool & Toy Co., Bridgeport, Conn.
Mansfield Novelty Co., Mansfield, Pa.
Marvel Specialty Co., Smethport, Pa.
Mason & Parker Mfg. Co., Winchendon, Mass. (Musical)
Patent Novelty Co., Fulton, Ill.
Piqua Handle & Mfg. Co., Piqua, O. (Wood)
Polo Toy Co., Phila., Pa.
Samour Mfg. Co., Stoneham, Mass.
Schindler, Chas., Toledo, O. (Flying)
Stevenson Wks. Co., South Bend, Ind.
Stronghart Co., Chicago, Ill.
Vaughan Novelty Mfg. Co., Chicago, Ill. "Jester"
Wetherbee, A. N., Lyndonville, Vt.

TOPS, Table, Enameled

Benjamin Electric & Mfg. Co., Chicago, Ill. "Crysteel"
Enamel Products Co., Cleveland, O. "Tepco"
Ingram-Richardson Mfg. Co., Beaver Falls, Pa.
Marietta Holloware & Enameling Co., Marietta, Pa.
Vitreous Steel Products Co., Cleveland, O.

TOPS, Toy—See Tops, Spinning

TORCHES, Acetylene—See Torches, Brazing and Welding, Acetylene

TORCHES, Automatic, Alcohol

Lasher-Weeber Co., Inc., Boston, Mass. "Jim Dandy"
Lenk Mfg. Co., Newton Lower Falls, Mass. "Champion," "Improved," "Lenk Automatic," "Master," "Self Blo"
Solderall Co., 129 Sussex Av., Newark, N. J.

TORCHES, Blow, Alcohol

American Solder & Flux Co., Phila., Pa.
Bernz (Otto) Co., Inc., Rochester, N. Y. "Always Reliable"
Clayton & Lambert Mfg. Co., Detroit, Mich. "Protection"
Lasher-Weeber Co., Boston, Mass. "Jim Dandy"
Lenk Mfg. Co., Newton Lower Falls, Mass. "Ajax," "Champion," "Handy," "Heavi-Duty," "Ideal," "Imp," "Improved," "Jumbo," "Midget," "Spartan"
Quick Meal Stove Co., St. Louis, Mo.

TORCHES, Blow, Gas, Gasoline or Kerosene

American Stove Co., St. Louis, Mo. "Vesuvius"
Bernz (Otto) Co., Inc., Rochester, N. Y. "Always Reliable"
Clayton & Lambert Mfg. Co., Detroit, Mich. "Protection"
Curfman (F. L.) Mfg. Co., Maryville, Mo.
Detroit Torch & Mfg. Co., Detroit, Mich.
Diener (Geo. W.) Mfg. Co., Chicago, Ill. "Torrid"
Everhot Mfg. Co., Maywood, Ill.
Geforer (C.) & Son, Phila., Pa.
Hauck Mfg. Co., 126 10th, B'klyn, N. Y.
Hones (Charles A.), Inc., Baldwin, Long Island, N. Y. "Buzzer"
Huffman Mfg. Co., Dayton, O. (Gasoline)
Justrite Mfg. Co., Chicago, Ill. (Combination Soldering Iron and Screw Driver)
Klein (Mathias) & Sons, 3200 Belmont Av., Chicago, Ill.
Lenk Mfg. Co., Newton Lower Falls, Mass. "Hub," "Red Dragon"
McGill Mfg. Co., Valparaiso, Ind. "Baby"
Miller (R. E.), Inc., 35 Pearl, New York, N. Y. "Optimus" (Gasoline)
Pennsylvania Globe Co., Phila., Pa. "Globe"
Prentiss Wabers Products Co., Wisconsin Rapids, Wis. "Preway"
Quick Meal Stove Co., St. Louis, Mo.
Ridgely Trimmer Co., Springfield, O. "Never Clog"
Ryerson (Jos. T.) & Son, Chicago, Ill.
Sandvik Saw & Tool Corp., Minneapolis, Minn. "Sieverts" (Imported)
Scovill Mfg. Co., Waterbury, Conn. "Imp"
Turner Brass Wks., Sycamore, Ill.
Unique Mfg. Co., Inc., Chicago, Ill.
Wall (P.) Mfg. Supply Co., 3126-3166 Preble Av., Pittsburgh, Pa. "Dreadnaught"

TORCHES, Brazing, Cutting and Welding —Oxyacetylene

Air Reduction Sales Co., 60 E. 42nd, New York, N. Y. "Airco"
Imperial Brass Mfg. Co., Chicago, Ill.
Milburn (Alexander) Co., Baltimore, Md.
Modern Engineering Co., St. Louis, Mo. "Meco"
Ox Weld Acetylene Co., 30 E. 42nd, New York, N. Y.
Ryerson (Jos. T.) & Son, Chicago, Ill.
St. Paul Welding & Mfg. Co., St. Paul, Minn.
Torchweld Equipment Co., Chicago, Ill.
Weldit Acetylene Co., Detroit, Mich.

TORCHES, Brazing, Gasoline and Kerosene

Bernz (Otto) Co., Inc., Rochester, N. Y. "Always Reliable"
Clayton & Lambert Mfg. Co., Detroit, Mich.
Diener (Geo. W.) Mfg. Co., Chicago, Ill.
Turner Brass Wks., Sycamore, Ill.
Wall (P.) Mfg. Supply Co., 3126-3166 Preble Av., Pittsburgh, Pa.

TORCHES, Gas Lighting—See Lighters, Gas

TORCHES, Gasoline—See Furnaces and Torches, Gasoline; also Torches, Blow, Gasoline; also Torches, Brazing, Gasoline

TORCHES, Kerosene—See Torches, Blow, Kerosene; also Furnaces and Torches, Gasoline and Kerosene

TORCHES, Melting, Gas

Johnson Gas Appliance Co., Cedar Rapids, Ia.

TORCHES, Oil

Dietz (R. E.) Co., 60 Laight, New York, N. Y.
Gem Mfg. Co., Pittsburgh, Pa.
Toledo Pressed Steel Co., Toledo, O. "Sig-Nal-Ite"
Wall (P.) Mfg. Supply Co., 3126-3166 Preble Av., Pittsburgh, Pa. "Dreadnaught"

TORCHES, Welding — See Torches, Brazing and Welding

TOURING TENTS—See Tents, Touring

TOW BARS—See Ropes, Chains and Bars, Tow

TOW CARDS—See Cards, Tow

TOW CHAINS—See Ropes, Chains and Bars, Tow

TOW HOOKS—See Hooks, Tow

TOW ROPES—See Ropes, Chains and Bars, Tow

TOWEL BARS—See Bars, Towel

TOWEL CABINETS—See Cabinets, Towel

TOWEL RACKS—See Racks, Towel

TOWEL ROLLERS—See Rollers, Towel

TOWEL SHELVES—See Shelves, Glass

TOWELS, Paper

Continental Paper & Bag Corp., 220 E. 42nd, New York, N. Y.
Cremoline Co., Inc., St. Louis, Mo.
Dennison Mfg. Co., Framingham, Mass.
Foley Paper Co., Springfield, Mass.
West Disinfecting Co., 16 Barn, Long Island City, N. Y. "Saniservis," "Westowl"
Wortendyke Mfg. Co., Richmond, Va.

TOWERS, Water and Wind Mill

Aerometer Co., Chicago, Ill.
Breyer Bros., Whiting & Co., Waupun, Wis. (Steel)
Butler Co., Butler, Ind.
Flint & Walling Mfg. Co., Kendallville, Ind. "Star"
Heller-Aller Co., Napoleon, O.
Stover Mfg. & Engine Co., Freeport, Ill.
Woodmanse Mfg. Co., Freeport, Ill.

TOY AEROPLANE HANGARS—See Hangars, Aeroplane, Toy

TOY AEROPLANES—See Aeroplanes, Toy

TOYS, Aluminum—See kind desired

TOY ANIMALS—See Animals, Toy

TOY ARCHERY SETS—See Sets, Archery, Toy

TOYS, Automatic—See Automatic Toys

TOY AUTOMOBILES—See Automobiles, Toy

TOYS, Automobiles—See Mechanical and Electrical Toys

TOY BALLS—See Balls, Rubber; also Balls, Parlor

TOY BALLOONS—See Balloons, Rubber

TOY BANKS—See Banks, Children's

TOY BARROWS—See Wheelbarrows, Children's

TOY BASE BALL GAMES—See Games, Unclassified

TOY BEDS—See Beds, Doll

TOY BELLS—See Bell Toys

TOY BICYCLES—See Bicycles, Juvenile

TOY BILLIARD and POOL TABLES—See Tables, Billiard and Pool, Children's

TOY BLACKBOARDS—See Blackboards, Children's

TOY BLOCKS—See Blocks, Alphabet; also Blocks, Building; also Blocks, Nested

TOY BOARDS—See Boards, Game; also Boards, Spelling; also Boards, Talking

TOY BOATS—See Boats, Toy

TOY BOILERS—See Sets, Cooking, Toy

TOY BOOKS—See Books, Children's

TOY BULBS, Electric—See Lamps or Bulbs, Electric, Miniature

TOY CABINETS—See Cabinets, Kitchen, Toy

TOY CANDLE HOLDERS—See Holders, Birthday Cake

TOY CANDLES—See Candles, Birthday

TOY CANNONS—See Cannons, Toy

TOY CANOES—See Canoes, Toy

TOY CARS—See Cars, Children's; also Cars, Hand

TOY CARPET SWEEPERS—See Sweepers, Carpet, Toy

TOY CARRIAGES—See Carriages, Doll

TOY CARTS—See Carts, Go, Doll; also Carts, Play

TOYS, Celluloid—See kind desired

TOY CHAIRS—See Chairs, Children's

TOY CHEMICAL OUTFITS—See Outfits, Chemical, Toy

TOY CHESTS—See Chests, Cedar, Toy; also Chests, Tool, Boys'

TOY CHIMES—See Chimes, Roller, Toy

TOY CIRCUS—See Circus Toys

TOY CLOTHES DRYERS—See Dryers, Clothes, Toy

TOY CLOTHES PINS—See Sets, Laundry, Toy

TOY CLOTHES WASHING MACHINES—See Washing Machines, Clothes, Toy

TOY CLOTHES WRINGERS—See Wringers, Clothes, Toy

TOY COLANDERS—See Sets, Cooking, Toy

TOY COLORING OUTFITS—See Outfits, Painting, Children's

TOY CONSTRUCTION SETS—See Construction Toys

TOY COOKING SETS—See Sets, Cooking, Toy

TOY COOKING UTENSILS—See Utensils, Cooking, Toy

TOY CRADLES—See Beds, Doll

TOY CRAYONS—See Crayons, Toy

TOY CUT-OUTS—See Cut-Outs, Paper

TOY DECALCOMANIA—See Decalcomania, Children's

TOY DESKS—See Desks, Children's

TOY DISHES—See Dishes, Toy

TOY DOLLS—See under Dolls

TOY ELECTRIC MOTORS—See Motors, Electric, Toy

TOY ENGINES—See Engines, Toy

TOY FENCES—See Fences, Christmas Tree

TOY FIRE ENGINES—See Engines, Fire, Toy

TOY FIREWORKS—See Fireworks, Toy

TOYS, Five, Ten, Fifteen, Twenty-five Cent and One Dollar Toys—See Five, Ten, Fifteen, Twenty-five Cent and One Dollar Toys

TOY FOOT BALL GAMES—See Games, Unclassified

TOYS, Friction—See Friction Toys

TOY FURNITURE—See Furniture, Doll and Toy

TOY GAMES—See under Games

TOY GARDEN SETS—See Garden Sets, Toy

TOYS, Glass—See Glass Toys

TOY GO-CARTS—See Carts, Go, Doll

TOY GOLF SETS—See Sets, Golf, Children's

TOY GREENHOUSES—See Greenhouses, Toy

TOY GUNS—See Guns, Automatic and Rapid Fi Toy; also Pop Guns

TOY HAMMERS—See Tools, Toy

TOY HAMMOCKS—See Hammocks, Doll

TOY HANGARS—See Hangars, Aeroplane, Toy

TOY HATCHETS—See Tools, Toy

TOY HATS—See Hats, Dolls'

TOYS, Hoisting—See Hoisting Toys

TOY HOLSTERS—See Holsters, Toy

TOY HORNS—See Horns, Carnival, Toy, Etc.

TOY HORSES—See Horses, Toy

TOY HOUSES—See Houses, Doll; also Houses, Pl

TOY ICE BOATS—See Boats, Toy

TOY INSTRUMENTS—See Musical Toys and Instru ments

TOYS, Iron—See Iron Toys; also kind desired

TOY IRONING BOARDS—See Boards, Ironing, To

TOY JACKSTONES—See Jackstones

TOY JEWELRY—See Jewelry, Doll

TOY KAZOOS—See Kazoos

TOY KETTLES—See Sets, Cooking, Toy

TOY KITCHEN CABINETS—See Cabinets, Toy

TOY LADDER TRUCKS—See Trucks, Ladder, To

TOY LADDERS—See Ladders, Toy

TOY LAUNDRY and WASH SETS—See Sets, Lau dry and Wash, Toy

TOY LAWN MOWERS—See Mowers, Lawn, Toy

TOY LOCOMOTIVES—See Railway Systems, To also Iron Toys

TOY MAGIC LANTERNS—See Lanterns, Magic

TOY MAGIC TRICKS—See Tricks and Trick Boxe Magic

TOYS, Marble—See Marble Toys

TOYS, Mechanical—See Mechanical and Electric Toys

TOY MERRY-GO-ROUNDS—See Merry-Go-Round Children's

TOYS, Metal—See kind desired

TOY MOPS—See Mops, Toy

TOY MOTORS—See Motors, Electric, Toy

TOY MOLD OUTFITS—See Outfits, Mold, Toy

TOY MOVING PICTURE MACHINES—See Movin Picture Machines, Children's

TOY MOWERS—See Mowers, Lawn, Toy

TOYS, Musical—See Musical Toys and Instruments

TOY NESTED BLOCKS—See Blocks, Nested, Toy

TOY NOAH'S ARKS—See Noah's Arks

TOY NOISEMAKERS—See Noisemakers

TOY PAILS—See Sand Toys

TOY PAINT BOOKS—See Books, Children's

TOY PAINTING OUTFITS—See Outfits, Painting Children's

TOYS, Paper—See kind desired

TOY PERCOLATORS—See Sets, Cooking, Toy

TOY PHONOGRAPHS—See Phonographs, Children's

TOY PIANOS—See Pianos, Toy

TOY PICKS—See Tools, Toy

TOY PIN WHEELS—See Pinwheels

TOY PINCERS—See Tools, Toy

TOY PISTOLS—See Pistols, Toy

TOYS, PLAY HOUSES, See Houses, Play

TOY PLIERS—See Tools, Toy

TOY PROJECTING LANTERNS—See Lanterns, Projecting

TOYS, Pull and Push—See Push and Pull Toys

TOYS, Push and Pull—See Push and Pull Toys

TOY PUZZLES—See Puzzles

TOY RAILWAY SYSTEMS—See Trains, Toy

TOY RATTLES—See Rattles

TOY REFRIGERATORS—See Refrigerators

TOY REINS—See Reins, Toy

TOY RIFLES—See Rifles, Air; also Rifles, Toy

TOYS, Roller Chime—See Chimes, Roller, Toy

TOY SAD IRONS—See Iron Toys, Trains, Sad Irons, Etc.

TOYS, Sand—See Sand Toys

TOY SAND SHOVELS—See Sand Toys

TOY SAWS—See Saws, Scroll

TOY SCOOTERS—See Scooters

TOY SEE SAWS—See See Saws

TOY SHOOFLIE—See Shooflies

TOY SHOVELS—See Sand Toys

TOY SLEDS—See Sleds, Steering, Children's

TOY SLEIGH BELLS—See Bells, Sleigh, Toy

TOY SOLDIERS—See Soldiers, Toy

TOY SPRINKLING CANS—See Pots, Watering, Toy

TOYS, Stockings filled with—See Stockings, Christmas, Filled with Toys

TOY STOVES—See Stoves, Toy

TOYS, Stuffed—See Animals, Toy, Stuffed; also Dolls, Stuffed

TOY SWINGS—See under Swings

TOY TEA SETS—See Sets, Tea, Toy

TOY TELEGRAPH OUTFITS—See Outfits, Telegraph

TOY TELEPHONES—See Telephones, Toy

TOY TEN PINS—See Pins, Ten, Toy

TOY TENTS—See Tents, Toy

TOYS, Tin—See kind desired

TOY TOOLS—See Tools, Toy

TOY TOPS—See Tops, Spinning

TOY TRACTORS—See Tractors, Toy

TOY TRAINS—See Trains, Toy; also Iron Toys

TOY TRANSFER PICTURES—See Decalcomania, Children's

TOY TRANSFORMERS—See Transformers, Electric, Toy

TOY TREES—See Trees, Christmas, Artificial

TOY TRICYCLES—See Tricycles

TOY TRUCKS—See Trucks, Toy

TOY TRUNKS—See Trunks, Toy

TOY TYPEWRITERS—See Typewriters, Toy

TOY VACUUM CLEANERS, Hand—See Cleaners, Vacuum, Hand

TOY VELOCIPEDES—See Velocipedes

TOY WAFFLE IRONS—See Irons, Waffle, Toy

TOY WAGONS—See under Wagons

TOY WASH BOARDS—See Boards, Wash, Toy

TOY WASH TUBS—See Tubs, Wash, Toy

TOY WASHING MACHINES—See Washing Machines, Clothes, Toy

TOY WATCHES—See Watches, Toy

TOY WATERING POTS—See Pots, Watering, Toy

TOY WHEELBARROWS—See Wheelbarrows, Children's

TOY WHISTLES—See Whistles, Toy

TOYS, Wood—See Wood Toys—Also kind desired

TRACE CHAINS—See Chains, Trace

TRACE HOLDERS—See Holders, Trace

TRACK OVERHEAD CARRYING HOOKS—See Hooks, Track, Overhead Carrying

TRACKS, Door—See Hangers and Hinges, Door

TRACKS, Hay Carrier

Myers (F. E.) & Bro. Co., Ashland, O. (Double Steels)
Ney Mfg. Co., Canton, O.

TRACKS, SHOW CASE—See Tracks, Sliding Door

TRACKS, Sliding Door

Allith-Prouty Co., Danville, Ill.
Corbin P. & F., New Britain, Conn.
Keil (Francis) & Son, Inc., 401 E. 163rd, New York, N. Y.
Louden Machinery Co., Fairfield, Ia.
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O. "Giant," "New Way," "Stayon," "Sure Grip"
National Lock Co., Rockford, Ill.
Reading Hdw. Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.
Stanley Wks., New Britain, Conn.

TRACTOR SLEEVES

Stover Mfg. & Engine Co., Freeport, Ill.

TRACTORS, Toy

American Flyer Mfg. Co., 2219 S. Halsted, Chicago, Ill. "Structo"
Animate Toy Co., 200 5th Av., New York, N. Y.
Arcade Mfg. Co., Freeport, Ill.

TRAFFIC MARKERS—See Markers, Traffic

TRAFFIC SIGNS—See Signs, Traffic

TRAFFIC TOY SEMAPHORES—See Semaphores, Traffic, Toy

TRAINERS, Tomato—See Supports, Vine, Tomato

TRAINS, Toy

American Flyer Mfg. Co., 2219 S. Halsted, Chicago, Ill.
Bauer (Fred. C.) & Sons, Phila., Pa.
Boucher (H. E.) Mfg. Co., 150 Lafayette, New York, N. Y.
Buddy "L" Mfg. Co., East Moline, Ill.
Dorfan Co., 137 Jackson, Newark, N. J. (Electric)
Hafner Mfg. Co., Chicago, Ill. "Overland Flyer"
Hoge Mfg. Co., Inc., 23 E. 21st, New York, N. Y. "Tom Thumb"
Ives Corp., 200 5th Av., New York, N. Y. (Electric)
Kenton Hdwe. Co., Kenton, O.
Kingsbury Mfg. Co., Keene, N. H.
Lionel Corp., 15 E. 26th, New York, N. Y. (Electric)
National Aluminum Co., Inc., Racine, Wis. "Kupple Kars"
Nonpareil Toy & Novelty Co., 60 Union, Newark, N. J.
Republic Tool Products Co., Dayton, O. (Locomotives)
Schieble Toy & Novelty Co., Dayton, O. "Hill Climber"
Turner (John C.) Novelty Co., Dayton, O.
Weeden Mfg. Co., New Bedford, Mass.
Winner Toys, Inc., 15 E. 26th, New York, N. Y.

TRAMWAYS, AERIAL—See Tramways, Wire Rope

TRAMMELS

Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Stanley Wks., New Britain, Conn.
Starrett (L. S.) Co., Athol, Mass.
Union Tool Co., Orange, Mass.

TRAMWAYS, Wire Rope

American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
Broderick & Bascom Rope Co., St. Louis, Mo.
Harrington Co., Phila., Pa.
Link-Belt Co., Chicago, Ill.
Macwhyte Co., Kenosha, Wis.
Roebling's Sons Co., Trenton, N. J.
Treadwell Engineering Co., Easton, Pa.

TRANSFER PICTURES—See Decalcomania

TRANSFORMERS, Bell Ringing

Air-Way Electric Appliance Corp., Toledo, O. "Arrow"
Edwards & Co., Inc., Exterior & 140th, New York, N. Y.
General Electric Co., Schenectady, N. Y.
Jefferson Electric Co., Bellwood, Ill. "Nucode"
Killark Electric Mfg. Co., St. Louis, Mo.
Metal Ware Corp., Two Rivers, Wis. "Empire"
Signal Electric Mfg. Co., Menominee, Mich.
Wagner Electric Corp., St. Louis, Mo.

TRANSFORMERS, Electric, Toy

American Flyer Mfg. Co., 2219 S. Halsted, Chicago, Ill. "Dyaltype"
Dorfan Co., 137 Jackson, Newark, N. J.
General Electric Co., Schenectady, N. Y. "Wayne"
Gilbert (A. C.) Co., New Haven, Conn.
Hoge Mfg. Co., Inc., 23 E. 21st, New York, N. Y. "Tom Thumb"
Ives Corp., 200 5th Av., New York, N. Y.
Jefferson Electric Co., Bellwood, Ill.
Lionel Corp., 15 E. 26th, New York, N. Y. "Aladdin," "Multivolt"
Metal Ware Corp., Two Rivers, Wis. "Empire"
Thordarson Electric Mfg. Co., 501 S. Jefferson, Chicago, Ill.

TRANSOM CATCHES—See Catches, Transom

TRANSOM CHAINS—See Chains, Transom

TRANSOM HINGES—See Hinges, Transom

TRANSOM LIFTS—See Lifts, Transom

TRANSOM RODS—See Lifts, Transom

TRAP CLEANERS—See Cleaners, Drain Pipe and Trap

TRAP DOOR RINGS—See Rings, Trap Door

TRAP PLACERS—See Placers, Trap

TRAPS, Animal

Abingdon Trap Co., Abingdon, Ill.
Animal Trap Co. of America, Lititz, Pa. "Double Shot," "Kill-Um," "Marsh Special," "Newhouse," "Oneida Jump," "Oneida Victor," "Stop Thief," "Victor"
Benjamin (W. R.) Mfg. Co., Granite City, Ill.
Bleck, Herman, Hammond, Ind.
Gibbs (W. A.) & Son, Chester, Pa. "Dope," "Single Grip," "Two Trigger"
Hawkins Co., South Britain, Conn. "Blake & Lamb Long Spring," "Hercules"
Kleffman Lock Snare Co., Hibbing, Minn. "Kleflock"
Michigan Wire Goods Co., Niles, Mich. "Little Giant," "Reddick," "Star"
Norwich Wire Wks., Inc., Norwich, N. Y. "Diamond Brand"
Royal Mfg. Co., Phila., Pa.
Taplin Mfg. Co., New Britain, Conn.
Triumph Trap Co., Oneida, N. Y. "Coil Spring," "Easy-Set," "High Grip," "Kangaroo," "Kwik Grip," "Master Grip," "Square Grip," "Super-Grip," "Triple Clutch"
Wolverton Mfg. Co., Holton, Kan.

TRAPS, Bait

Cuba Specialty Mfg. Co., Houghton, N. Y. "Gee"
Getz'em Trap Mfg. Co., Neosho, Mo.
Orvis, C. F., Manchester, Vt.
Thomas (T. F.) Mfg. Co., Indianapolis, Ind.
Tooley, L. J., Detroit, Mich.
Wallace Hdw. Co., Algonac, Mich.

TRAPS, Crab

Abbey & Imbrie, Utica, N. Y. "Foxy Quiller"
Merle (Geo.) & Sons, 5 St. John's Pl., Bklyn., N. Y. "Everybody's"

TRAPS, Fish

Abbey & Imbrie, Utica, N. Y.
Benjamin (W. R.) Mfg. Co., Granite City, Ill.
Ericksen Textile Co., Momence, Ill.
Golden-Anderson Valve Specialty Co., Fulton Bldg., Pittsburgh, Pa.
Neptune Meter Co., 50 E. 42d, New York, N. Y.
Stratton & Terstegge Co., Inc., Mfg. Div., Louisville, Ky. "Falls City," "Jones" (Folding)

TRAPS, Fly

American Sheet Metal Wks., New Orleans, La. "Curry"
Avis Hdw. Co., Pomona, Cal.
Bromwell Wire Goods Co., Cincinnati, O.
Hamblin & Russell Mfg. Co., Worcester, Mass. "Hodge"
Meyers (Fred J.) Mfg. Co., Hamilton, O. "Champion," "Globe," "Junior"
National Enameling & Stamping Co., Milwaukee, Wis. "Shur-Katch"
North-Western Stamping Co., Burlington, Ia.
Parker Wire Goods Co., Worcester, Mass.
Reed (Evan L.) Mfg. Co., Danville, Ill.
Reynolds Wire Co., Dixon, Ill. "Acme," "Champion," "Dixon," "Eagle," "Globe," "Harjer," "Leader," "Paragon," "Royal"
Safety Globe & Mfg. Co., Columbus, O. "Columbus"
Stuber & Kuck Co., Peoria, Ill. "Baby Superior"
Wagner Mfg. Co., Cedar Falls, Ia. "All-Metal," "Daisy"
Washburn Company, Worcester, Mass.
Wheeler Screen Co., Geneva, Ill.

TRAPS, Gopher

Abingdon Trap Co., Abingdon, Ill. "O.K."
Animal Trap Co. of America, Lititz, Pa. "California," "Newhouse," "Victor"
Michigan Wire Goods Co., Niles, Mich. "Star"
Triumph Trap Co., Oneida, N. Y.

TRAPS and BANDS, Lead

National Lead Co., 111 B'way, New York, N. Y.

TRAPS, Insect, Electric

Automatic Washer Co., Newton, Ia.
Electro-Static Products Corp., Niles, Mich.
Folmer-Chapin Corp., Rochester, N. Y.
Frost Electric Screen Co., Spokane, Wash. "Electrocutor"
Insectocutor Corp., Sycamore, Ill.
Reynolds Electric Co., Chicago, Ill.
Tanglefoot Co., Grand Rapids, Mich.

TRAPS, Mole

Animal Trap Co. of America, Lititz, Pa. "Out O' Sight"
Benjamin (W. R.) Mfg. Co., Granite City, Ill.
Heartley Mach. Variety Iron & Tool Wks., Toledo, O. "Heartley's Holdfast"
Michigan Wire Goods Co., 111 Second, Niles, Mich. "Little Giant," "Reddick"
Pioneer Mfg. Co., Middlebury, Ind.

TRAPS, Mouse—See Traps, Rat and Mouse

TRAPS, Rat and Mouse

Abingdon Trap Co., Abingdon, Ill. "Eli," "Get-Em," "It," "O. K.," "Very Best Yet"
Animal Trap Co. of America, Lititz, Pa. "Catch-emalive," "Chasse," "Four-Hole Choker," "Hold-fast," "Official," "Out-O-Sight," "Pennsylvania," "Victor"
Automatic Trap Co., Inc., Chicago, Ill. "Peerless"
Bromwell Wire Goods Co., Cincinnati, O.
Burditt & Williams Co., Boston, Mass. "Marty"
Drake (A. W.) Mfg. Co., Hazleton, Pa. "Beaten Path"
Ejector Trap Co., Oneida, N. Y.
E-Z Mfg. Co., Galesburg, Ill. "E-Z Ketch"
Fort Dearborn Mfg. Co., Sterling, Ill. "Shur Shut"
Gatch Brush & Wire Goods Co., Baltimore, Md. "Katch-All"
Gibbs (W. A.) & Son, Chester, Pa. "Gladiator"
Hamblin & Russell Mfg. Co., Worcester, Mass.
Lovell Mfg. Co., Erie, Pa. "Dead Easy," "Easy-Setting," "Erie," "Rex," "Short Stop," "Star," "Sure Catch," "Vim," "Wood Chocker"
McGill Metal Products Co., Marengo, Ill. "Better"
Meyers (Fred J.) Mfg. Co., Hamilton, O.
Modern Novelty & Specialty Co., Cicero, Ill. "Electric Cat"
Penn Metal Products Co., Pittsburgh, Pa.
Pratt (Wm. E.) Mfg. Co., Chicago, Ill.
Stansbury (H. O.) Co., Phila., Pa.
Stilson Mfg. Co., West Orange, N. J. "Steponit"
Taplin Mfg. Co., New Britain, Conn.
Triumph Trap Co., Oneida, N. Y.
Washburn Company, Worcester, Mass.
Worcester Wire Novelty Co., Inc., Baltimore, Md. "Hold-Em"

TRAPS, Sparrow

Crescent Co., Toms River, N. J.
Dodson (Joseph H.), Inc., Kankakee, Ill.
Everset Trap Co., Davenport, Ia.

TRAPS, Steel—See Traps, Animal

TRAPS, Target

Peters Cartridge Co., Dept. I-53, Kings Mills, O. "Duvrock Traps"

TRAPS, Wave Radio—See Radio Wave Traps

TRASH BURNERS—See Burners, Rubbish

TRAY COVERS, LAUNDRY—See Covers, Laundry Tray

TRAYS, Aluminum

Aluminum Cooking Utensil Co., New Kensington, Pa. "Wear-Ever"
Aluminum Goods Mfg. Co., Manitowoc, Wis.
Standard Aluminum Co., Two Rivers, Wis.
Wagner Mfg. Co., Sidney, O.

TRAYS, ASH—See Receivers, Ash, Cigar

TRAYS, Card Table

Pressed Metal Products Co., Cleveland, O.
Seymour Products Co., Seymour, Conn.

TRAYS, Crumb

(See also Brushes, Crumb)

Hertzberg (H.) & Son, 41 E. 11th, New York, N. Y. "Cleansbest"
Manning, Bowman & Co., Meriden, Conn.
Metal Ware Corp., Two Rivers, Wis. "Pilgrim Ware"
National Sheet Metal Co., Dept. A, Peru, Ill.
Patent Novelty Co., Inc., Fulton, Ill. "Polly Prim"

TRAYS, Fork—See Trays, Knife and Fork

TRAYS, Ice Cube

Dwelley (G. M.) Inc., Detroit, Mich. "Flexo" (Rubber)
Inland Mfg. Co., Dayton, O. "Du-Flex," "Flexo-tray," " Quickube"
McCord Radiator & Mfg. Co., Detroit, Mich. "Easy Out"

TRAYS, Knife and Fork

Arcade Mfg. Co., Freeport, Ill.
Converse-Mason Corp., Winchendon, Mass.
Dan-D Mfg. Co., Dayton, O.
Imperial Mfg. Co., Cambridge, O.
Lalance & Grosjean Mfg. Co., Woodhaven, L. I., N. Y.
Stoware, Inc., Stowe, Vt.
Tucker & Dorsey Mfg. Co., Indianapolis, Ind.
Western Tray & Case Co., Cincinnati, O.

TRAYS, Serving

Almo Trading & Importing Co., Inc., 61 E. 11th, New York, N. Y. (Indurated Fibre)
Borin-Vivitone Corp., Chicago, Ill.
Computing Cheese Cutter Co., Anderson, Ind. (Aluminum)
Durham Mfg. Co., Muncie, Ind. "Duplex"
Enamel Products Co., Cleveland, O. "Tepco"
Fry (H. C.) Glass Co., Rochester, Pa.
Landers, Frary & Clark, New Britain, Conn. "Universal"
Lawson (F. H.) Co., Cincinnati, O. "Lawco"
Manning, Bowman & Co., Meriden, Conn.
Metal Ware Corp., Two Rivers, Wis. "Pilgrim Ware"
Miami Cabinet Co., Middletown, O.
National Enameling & Stamping Co., Milwaukee, Wis.
National Sheet Metal Co., Dept. A, Peru, Ill.
Pressed Metal Products Co., Cleveland, O.
Richardson Co., Melrose Park, Ill. "Richelain"
Rome Mfg. Co., Rome, N. Y.
Scheibe, R. R., Somerville, Mass. "Table Tray"
U. S. Stamping Co., Moundsville, W. Va.
Vollrath Co., Sheboygan, Wis.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa. "Micarta"
Wheeling Corrugating Co., Wheeling W. Va.

TREADS, Stair, Brass

American Mason Safety Tread Co., Lowell, Mass.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Universal Safety Tread Co., Waltham, Mass.
Waterbury Brass Goods Corp., Waterbury, Conn.

TREADS, Stair, Lead Filled

American Mason Safety Tread Co., Lowell, Mass. "Stanwood"
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Universal Safety Tread Co., Waltham, Mass.

TREADS, Stair, Rubber

Boston Woven Hose & Rubber Co., Cambridge, Mass.
Goodrich (B. F.) Rubber Co., Akron, O.
Keystone Brass & Rubber Co., Phila., Pa.
Painesville Metallic Binding Co., Painesville, O.
Tillinghast (B. C.) Rubber Co., Inc., Phila., Pa.
U. S. Rubber Co., 1790 B'way, New York, N. Y.
Victor Rubber Co., Springfield, O.

TREADS, Stair, Safety

American Pressed Steel Co., Phila., Pa. 'Neverslip'
American Mason Safety Tread Co., Lowell, Mass. "Stanwood," "Mason"
Blaw-Knox Co., Pittsburgh, Pa.
Gross, Wm. M., Sharon, Pa. "E-Z Klean"
Norton Co., Worcester, Mass.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Truscon Steel Co., Youngstown, O.

TREE GUARDS—See Guards, Tree

TREE ORNAMENTS, Christmas—See Ornaments, Christmas Tree

TREE PRUNERS—See Pruners, Tree

TREE SCRAPERS—See Scrapers, Deck and Tree

TREE TRIMMERS—See Trimmers, Tree

TREENAIL AUGERS—See Augers, Treenail

TREES, Christmas, Artificial

Beistle Co., Shippensburg, Pa. (Paper)
Biltwell Brush Co., Rockford, Ill. (Fibre)
Everbest Battery Co., Inc., 257 W. 17th, New York, N. Y. (Electric)
Garrison-Wagner Co., St. Louis, Mo. (Paper)
Hahn, Arthur W., 199 Lafayette, New York, N. Y.
North Ridge Brush Co., Inc., Freeport, Ill. (Window Display)
Tienken Tree & Nov. Corp., 413 E. 24th, New York, N. Y.

TREES, Shoe

(See also Hangers, Shoe)

Gilbert (E. T.) Mfg. Co., Rochester, N. Y. "Gilco"
Paul & Beekman Mfg. Co., Phila., Pa. "Yellow Jacket"
Plymouth Stamped Metal Co., Galion, O. "Stayput"

TREES, Slipper—See Trees, Shoe

TRELLISES

Adams Co., Dubuque, Ia.
Anchor Post Fence Co., Baltimore, Md.
Brown (H. L.) Fence & Mfg. Co., Cincinnati, O. "Norwood"
Buffalo Wire Wks. Co., Buffalo, N. Y.
Columbus Wire & Iron Wks. Co., Columbus, O.
Continental Steel Corp., Kokomo, Ind. "Poineer Kokomo"
Cyclone Fence Co., Waukegan, Ill. "L-Extra," "Red Tag"
Estey Wire Wks. Co., 34 Cliff, New York, N. Y.
Express Body Corp., Crystal Lake, Ill.
Fiske (J. W.) Iron Wks., 78 Park Place, New York, N. Y.
Grand Rapids Wire Products Co., Grand Rapids, Mich.
Howard & Morse 1197 DeKalb Av., Bklyn., N. Y.
Indiana Steel & Wire Co., Munice, Ind. "Imperial"
Meyers (Fred J.) Mfg. Co., Hamilton, O.
Mid-States Steel & Wire Co., Crawfordsville, Ind.
Northwestern Barb Wire Co., Inc., Sterling, Ill.
Page Steel & Wire Co., Monessen, Pa.
Robertson (W. F.) Steel & Iron Co., Cincinnati, O. "Norwood"
Rowe Mfg. Co., Galesburg, Ill.
Selden Mfg. Co., Palatka, Fla. (Wood)
Smith (John P.) & Co., New Haven, Conn.
Smith (F. P.) Wire & Iron Wks., Chicago, Ill.
Standard Novelty Wks., Duncannon, Pa. (Adjustable)
Steelite Co., Cleveland, O.
Stewart Iron Wks. Co., Inc., 814 Stewart Block, Cincinnati, O.
Tyler (W. S.) Co., Cleveland, O.
Wickwire Spencer Steel Co., Inc., 41 E. 42d, New York, N. Y. "Excelsior"

TRELLISES, Folding—See Trellises

TREVOTS

Wrightsville Hdw. Co., Wrightsville, Pa.

TRICKS and TRICK BOXES, Magic

Adams (S. S.) Co., Asbury Park, N. J.
Franco-American Nov. Co., 1209 B'way, New York, N. Y.
Gilbert (A. C.) Co., New Haven, Conn.
Martinka & Co., 304 W. 34th, New York, N. Y. (Sleight of Hand)

TRICYCLES

(See also Bicycles, Juvenile)

Automatic Cradle Mfg. Co., Stevens Point, Wis. "Row Flivver"
Colson Co., Elyria, O. "Fairy"
Gendron Wheel Co., Toledo, O. "Pioneer"
Harris (D. P.) Hdw. & Mfg. Co., 99 Chambers, New York, N. Y. "Rollfast"
Kirk-Latty Mfg. Co., Cleveland, O.
Mecky (A.) Co., Phila., Pa.

TRIMBALE IRONS—See Irons, Trimbale

TRIMMERS, Brick

Drew (C.) & Co., Kingston, Mass.

TRIMMERS, Hedge

(See also Pruners, Hedge)

Bartlett Mfg. Co., Detroit, Mich. "Ideal"
Berggren & Pearson Mach. Co., 245 44th, Bklyn., N. Y. "Champion," "Midget" (Electric)
Clipper Mfg. Co., Inc., Dixon, Ill. "Old Nick"
Detco Mfg. Co., Oaks, Pa. "Little Wonder" (Hand Power and Electric Driven)
Dishmaker Mfg. Co., Kewaunee, Wis. "Hedgemaster" (Electric)
Disston (Henry) & Sons, Inc., (Tacony), Phila., Pa. "Simplicity"
E. Z. Electric Co., 168 Madison Av., New York, N. Y. (Electric)
Heimerdinger (W. C.) Co., Inc., Louisville, Ky.
Krahn Mfg. Co., Milwaukee, Wis. (Scalloped Tooth)
Leitenberger, John, Norristown, Pa. "Yeakel"

TRIMMERS, Hedge (Continued)

Ohlen-Bishop Co., Columbus, O.
Rugg (E. T.) Co., Newark, O. "Rugg-ed Trimmer"
Skilsaw, Inc., Chicago, Ill. "Electrimmer"
Stearns (E. C.) & Co., Syracuse, N. Y.
Trowbridge-Conveyor Co., Inc., Passaic, N. J. "Speed" (Electric)
Wallington Machine Co., Passaic, N. J.

TRIMMERS, Lamp Wick

Bridgeport Brass Co., Bridgeport, Conn.
Ives (H. B.) Co., New Haven, Conn. "Barnard"

TRIMMERS, Lawn—See Edgers and Trimmers, Lawn

TRIMMERS NUTS—See Nuts, Trimmers

TRIMMERS, Tack—See Tacks, Upholsterers'

TRIMMERS, Tree

Bartlett Mfg. Co., Detroit, Mich. "Searight"
Klein (Mathias) & Sons, 3200 Belmont Av., Chicago, Ill.
Leach Co., Oshkosh, Wis.
Rhodes Mfg. Co., Grand Rapids, Mich.
Smith (Seymour) & Son, Inc., Oakville, Conn.

TRIMMINGS, Furniture—See Cabinet Hardware

TRIMMINGS, Hame

Elbel Co., Canton, O. "Owl"
Midland Co., South Milwaukee, Wis.
North & Judd Mfg. Co., New Britain, Conn. "Anchor Brand"
Rubber & Celluloid Products Co., 56 Ferry, Newark, N. J. "Rubberset"

TRIMS, Window

Garrison-Wagner Co., St. Louis, Mo.
Massillon-Cleveland-Akron Sign Co., Massillon, O.
Nelke, L. D., 45 E. 17th, New York, N. Y.

TROLLEY LADDERS—See Ladders, Store

TROLLEY TRACKS, Overhead—See Trolleys and Trolley Tracks, Overhead

TROLLEYS and TROLLEY TRACKS, Overhead

Allith-Prouty Co., Danville, Ill. "Reliable"
Armington Eng'g Co., Euclid, O.
Atlas Car & Mfg. Co., Cleveland, O.
Bridgeport Chain & Mfg. Co., Bridgeport, Conn.
Case Crane & Kilbourne Jacobs Co., Columbus, O.
Chisholm-Moore Hoist Corp., Tonawanda, N. Y.
Coburn Trolley Track Mfg. Co., Holyoke, Mass.
Curtis Pneumatic Machinery Co., St. Louis, Mo.
Euclid Crane & Hoist Co., Euclid, O.
Ford Chain Block Mfg. Co., Phila., Pa.
Frantz Mfg. Co., Sterling, Ill. "Glide," "Hi-Lo," "Rollaway," "Runwel," "Shedwel"
Hanna Eng'g Wks., Chicago, Ill.
Harrington Co., Phila., Pa.
Hudson (H. D.) Mfg. Co., Chicago, Ill. "Libbey"
Link-Belt Co., Chicago, Ill.
Lovejoy Tool Wks., Chicago, Ill.
McCabe Hanger Mfg. Co., 425 W. 25th, New York, N. Y.
Maris Bros., Phila, Pa.
McKinney Mfg. Co., Pittsburgh, Pa.
Moore (Franklin) Co., Winsted, Conn.
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O. "Clover Leaf," "O.K.," "Sure Lock"
New Jersey Foundry & Mach. Co., 9 Park Pl., New York, N. Y.
Ney Mfg. Co., Canton, O.
Northern Eng'g Wks., Detroit, Mich.
Philadelphia Tram-Rail Co., Phila., Pa.
Randall-Tramrail Co., Phila., Pa.
Reading Chain & Block Corp., Reading, Pa.
Richards-Wilcox Mfg. Co., Aurora, Pa.
Ricker Mfg. Co., Rochester, N. Y.
Robbins & Myers Co., Springfield, O. "Ace"
Roeper Crane & Hoist Wks., Reading, Pa.
Round (D.) & Son, Cleveland, O.
Saginaw Stamping & Tool Co., Saginaw, Mich.
Speidel, John G., Reading, Pa.
Starline, Inc., Harvard, Ill.
Stuebner (G. L.) Iron Wks., 12th St., Long Island City, N. Y.
Thomas Mfg. Co., Newcastle, Ind.
Whiting Foundry Equipment Co., Chicago, Ill.
Wright Mfg. Co., York, Pa.
Yale & Towne Mfg. Co., Phila., Pa.

TROLLING BRACKETS—See Brackets, Trolling

TROLLING and CASTING SPOONS and SPINNERS—See Spoons and Spinners, Trolling and Casting

TROUGHS, Eave

Ames (W. R.) Co., San Francisco, Cal.
Badger Corrugating Co., La Crosse, Wis.
Braden Mfg. Co., Terre Haute, Ind. "Champion"
Chase Brass & Copper Co., Waterbury, Conn.
Continental Steel Corp., Kokomo, Ind.
Corning Mfg. Co., Corning, N. Y.
Hussey (C. G.) & Co., Pittsburgh, Pa.
Klauer Mfg. Co., Dubuque, Ia.
Lupton's (David) Sons Co., Phila., Pa.
Milcor Steel Co., Milwaukee, Wis. "Crimpedge"
New Delphos Mfg. Co., Delphos, O.
Norcor Mfg. Co., Green Bay, Wis.
St. Paul Corrugating Co., St. Paul, Minn. "Eazy Bead"
Wheeling Corrugating Co., Wheeling, W. Va.
Young (J. O.) Co., Springfield, Mass. (Wooden)

TROUGHS, Hog

American Scale Co., Kansas City, Mo.
Beatrice Steel Tank Mfg. Co., Beatrice, Neb.
Bernard (Phillip) Co., Sioux City, Ia.
Buch Mfg. Co., Elizabethtown, Pa.
Bushnell Pump Co., Bushnell, Ill.
Butler Co., Butler, Ind.
Butler Mfg. Co., Kansas City, Mo.
Celina Mfg. Co., Celina, O.
Champion Blower & Forge Co., Lancaster, Pa.
Columbian Steel Tank Co., Kansas City, Mo.
Continental Steel Corp., Kokomo, Ind.
Dayton-Dowd Co., Quincy, Ill.
Des Moines Steel Tank Co., Des Moines, Ia.
Drew Line Co., Fort Atkinson, Wis.
Dutton (E. Q.) & Co., Cato, N. Y.
Ferguson Mfg. Co., Dubuque, Ia.
Franklin Equipment Co., Monticello, Ia. "Monticello"
Freeland Sons Co., Sturgis, Mich.
Freeland Steel Tank Co., Portage, Wis.
Glor Bros. & Willis Mfg. Co., Attica, N. Y.
Hall Mfg. Co., Cedar Rapids, Ia.
Hamachek, Frank, Kewaunee, Wis.
Hastings Equity Grain Bin Mfg. Co., Hastings, Neb.
Hawkeye Pump Co., Fairfield, Ia.
Heller-Aller Co., Napoleon, O.
Hudson (H. D.) Mfg. Co., Chicago, Ill.
Klein Mfg. Co., Burlington, Ia.
Laurelton Fdry. Co., Laurelton, Pa.
Lyon Iron Wks., Greene, N. Y.
Martin Steel Products Co., Mansfield, O.
Midland Metal Mfg. Co., Ottumwa, Ia.
Milcor Steel Co., Milwaukee, Wis.
Mitchell Mfg. Co., Milwaukee, Wis.
Mit-Shel Stamping Mfg. Co., Quincy, Ill.
Monmouth Silo Co., Monmouth, Ill.
Mountville Mfg. Co., Mountville, Pa.
National Mfg. Co., Des Moines, Ia.
National Tubular Axle Co., Emigsville, Pa.
North Dakota Metal Culvert Co., Fargo, N. D.
Northfield Iron Co., Northfield, Minn.
Oakes Mfg. Co., Tipton, Ind.
Perfection Mfg. Co., Monmouth, Ill.
Perkins Corp., Mishawaka, Ind.
Pioneer Mfg. Co., Middlebury, Ind.
Reeves Mfg. Co., Dover, O.
Rippley Mfg. Co, Grafton, Ill.
St. Paul Corrugating Co., St. Paul, Minn. "Pruden System"
Sioux Falls Metal Culvert Co., Sioux Falls, S. D.
Star Tank Co., Goshen, Ind.
Vernier Mfg. Co., Cedar Rapids, Ia.
Western Steel & Iron Wks., De Pere, Wis.

TROUGHS, Poultry

Badger Corrugating Co., La Crosse, Wis.
Buch Mfg. Co., Elizabethtown, Pa.
Butler Co., Butler, Ind.
Collins, W. H., 445 Greenwich, New York, N. Y.
Cyclone Mfg. Co., Urbana, Ind.
Dayton-Dowd Co., Quincy, Ill. "Economy"
Dayton Toy & Specialty Co., Dayton, O.
Hall Mfg. Co., Cedar Rapids, Ia.
Hoeft & Co., Inc., 2309 Davis, North Chicago, Ill. "Moe's"
Hudson (H. D.) Mfg. Co., Chicago, Ill.
Klein Mfg. Co., Burlington, Ia.
Mit-Shel Stamping Mfg. Co., Quincy, Ill.
Mountville Mfg. Co., Mountville, Pa.
National Mfg. Co., Des Moines, Ia.
North Dakota Metal Culvert Co., Fargo, N. D. "Fargo"
Oakes Mfg. Co., Tipton, Ind.
Starline, Inc., Harvard, Ill.
Thomas-Armstrong Co., London, Ohio. "Buckeye"

TROUGHS, Watering

(See also Bowls, Watering)

Buch Mfg. Co., Elizabethtown, Pa.
Celina Mfg. Co., Celina, O.
Hall Mfg. Co., Cedar Rapids, Ia.
Harry (O. K.) Steel Co., St. Louis, Mo.
Klein Mfg. Co., Burlington, Ia. "Burlington"
Metal Products Corp., 49 Chestnut, Weehawken, N. J.
Norcor Mfg. Co., Green Bay, Wis.
St. Paul Corrugating Co., St. Paul, Minn.
Smith (F. P.) Wire & Iron Wks., Chicago, Ill.
Swett (A. L.) Iron Wks., Medina, N. Y.

TROUSER GUARDS, Bicycle—See Guards, Trouser, Bicycle

TROWELS, Butter

Chatillon (John) & Sons, 85 Cliff, New York, N. Y. "Foster Bros."
Landers, Frary & Clark, New Britain, Conn. "Universal"
Mechanics Tool & Wrench Co., Greenfield, Mass. "Nichols Bros."
Rose (Wm.) & Bros., Sharon Hill, Pa.

TROWELS, Cement—See Tools, Cement and Concrete

TROWELS, Garden

Akron-Selle Co., Akron, O. "Tasco"
Allen (S. L.) & Co., Phila., Pa. "Lifetime," "Planet Jr."
American Fork & Hoe Co., Cleveland, O. "True Temper"
Animal Trap Co. of America, Lititz, Pa. "Trump," "Victor"
Arcade Mfg. Co., Freeport, Ill.
Boyle Mfg. Co., Los Angeles, Cal. "Boyco"
C-K-R Company, Cleveland, O. "Little Giant"
Consolidated Tool Wks., 509 Madison Av., New York, N. Y. "Pilot"
Disston (Henry) & Sons, Inc., (Tacony), Phila., Pa.
Ennis Mfg. Co., Reading, Pa.
Girard Model Wks., Inc., Girard, Pa.
Gray Iron Foundry Co., Reading, Pa.
H. L. G. Mfg. Co., Indianapolis, Ind.
Hoeft & Co., Inc., North Chicago, Ill. "Moe's," "Nikel Kap"
Johnson (William), Inc., 36 Brenner, Newark, N. J.
Kees (F. D.) Mfg. Co., Beatrice, Neb.
Kingsbury Mfg. Co., Keene, N. H.
Kohler Die & Specialty Co., DeKalb, Ill.
Mason & Parker Mfg. Co., Winchendon, Mass.
N. Y. Stamping Co., N. 11th & Berry Sts., Bklyn., N. Y. "Primrose"
Ohio Art Co., Bryan, O.
Plymouth Stamped Metal Co., Galion, O.
Potter Mfg. Co., Geneva, O.
Southington Hdw. Co., Southington, Conn.
Stanley Wks., New Britain, Conn.
Stover Mfg. & Engine Co., Freeport, Ill.
Stuber & Kuck Co., Peoria, Ill. "Perfection"
Union Fork & Hoe Co., Columbus, O.
Village Blacksmith Folks, Watertown, Wis.
Washburn Company, Worcester, Mass.

TROWELS, Masons'—See Trowels, Plasterers', Masons', Pointing, Etc.

TROWELS, Plasterers', Masons', Pointing, Etc.

(See also Trowels)

Atkins (E. C.) & Co., Indianapolis, Ind.
Atlas-Ansonia Co., New Haven, Conn. "Sanford"
Boker (H.) & Co., 101 Duane, New York, N. Y.
Bridgeport Hdw. Mfg. Corp., Bridgeport, Conn.
C-K-R Company, Cleveland, O.
Carver Tool Wks., Spring Valley, N. Y.
Clemson Saw Co., Middletown, N. Y.
Disston (Henry) & Sons, Inc., (Tacony), Phila., Pa. "Browning," "Flexolite," "Neverstain," "Stainless Steel," "Texture"
Economy Mfg. Co., Phila., Pa.
Ennis Mfg. Co., Reading, Pa.
Goldblatt Tool Co., Kansas City, Mo.
Gray Iron Fdry. Co., Reading, Pa.
Hyde Mfg. Co., Southbridge, Mass.
Johnson (William), Inc., 36 Brenner, Newark, N. J.
Marshalltown Trowel Co., Marshalltown, Ia. "Xtra Lite"
Ohlen-Bishop Co., Columbus, O.
Plomb Tool Co., Los Angeles, Cal.
Ridgely Trimmer Co., Springfield, O.
Rooney Adjustable Trowel Co., Cleveland, O.
Rose (Wm.) & Bros., Sharon Hill, Pa.
Southington Hdw. Co., Southington, Conn.
Stortz (John) & Son, Phila., Pa.

TROWELS, Pointing—See Trowels, Plasterers', Masons', Pointing, Etc.

TRUCK CASTERS—See Casters, Stove and Truck

TRUCK WHEELS—See Wheels, Hand, Truck

TRUCKS, Barrel—See Trucks, Hand

TRUCKS, Factory—See Trucks, Store, Warehouse and Factory.

TRUCKS, Hand

Arcade Mfg. Co., Freeport, Ill.
Baker-Raulang Co., Cleveland, O. (Electric)
Bellevue Mfg. Co., Bellevue, O.
Blair Tool & Machine Corp., College Point, N. Y.
Case Crane & Kilbourne Jacobs Co., Columbus, O. "K. & J."
Casey-Foster Co., Boston, Mass. "Edstar"
Champion Blower & Forge Co., Lancaster, Pa.
Clark (Geo. P.) Co., Windsor Locks, Conn.
Cleveland Wire Spring Co., Cleveland, O. (Barrel)
Durlach Can & Iron Wks., 234 Bridge, Bklyn., N. Y.
Fairbanks Co., 393 Lafayette, New York, N. Y.
Francis (Chas. I.) Co., Rushville, Ind.
Hall Mfg. Co., Cedar Rapids, Ia.
Hamilton Caster & Mfg. Co., Hamilton, O. "Perfection"
Howe Chain Co., Muskegon, Mich.
Illinois Iron & Bolt Co., Carpenterville, Ill.
Knapheide (Henry) Wagon Co., Quincy, Ill. "Liberty"

TRUCKS, Hand (Continued)

Koenig (Edward L.) Co., Chicago, Ill.
Lakewood Eng'g. Co., Cleveland, O.
Lamothe (E. J.) Co., Somerville, Mass. "Lamco"
Lansing Co., Lansing, Mich.
Louden Mchy. Co., Fairfield, Ia.
McKinney Mfg. Co., Pittsburgh, Pa.
Menasha Wood Split Pulley Co., Menasha, Wis. "Lawson"
More Handy Truck Corp., 100 Rutledge, Bklyn., N. Y.
Orangeville Mfg. Co., Orangeville, Pa.
Phoenix Hdw. Mfg. Co., Buffalo, N. Y.
Safety Truck Brake Co., Waukesha, Wis.
Saginaw Stamping & Tool Co., Saginaw, Mich. "Raceaway"
Sargent, Osgood & Roundy, Randolph, Vt.
Schriver (O. P.) Co., Cincinnati, O. "Hercules"
Standard Scale & Supply Co., Pittsburgh, Pa.
Syracuse Chilled Plow Co., Inc., Syracuse, N. Y.
Taylor-Shantz Co., Rochester, N. Y.
Turney (Joel) & Co., Fairfield, Ia. "Fairfield"
Union Steel Products Co., Albion, Mich. (Barrel)
Wirt & Knox Mfg. Co., Phila., Pa. "Acme"

TRUCKS, Hand, Elevating

Clark (Geo. P.) Co., Windsor Locks, Conn.
Fairbanks Co., 393 Lafayette, New York, N. Y.
Plimpton Lift Truck Corp., Stamford, Conn.
Service Caster & Truck Co., Albion, Mich.
Yale & Towne Mfg. Co., Phila., Pa.

TRUCKS, Platform

Case Crane & Kilbourne Jacobs Co., Columbus, O. "K. & J."
Fairbanks Co., 393 Lafayette, New York, N. Y.
Orangeville Mfg. Co., Orangeville, Pa.
Saginaw Stamping & Tool Co., Saginaw, Mich.

TRUCKS, Store, Warehouse and Factory

Aeromotor Co., Chicago, Ill.
Angle Steel Stool Co., Plainville, Mich.
Armstrong Truck Co., North Wales, Pa.
Atlas Car & Mfg. Co., Cleveland, O.
Backus (A.) Jr. & Sons, Detroit, Mich. (Box Woven)
Baker-Raulang Co., Cleveland, O. (Electric)
Baltimore Cooperage Co., Baltimore, Md.
Bingham (J. E.) Mfg. Co., Lawrence, Mass.
Buda Co., Harvey, Ill.
Case Crane & Kilbourne Jacobs Co., Columbus, O. "K. & J."
Chase Foundry & Mfg. Co., Columbus, O.
Chattanooga Wheelbarrow Co., Chattanooga, Tenn.
Clark (Geo. P.) Co., Windsor Locks, Conn.
Cleveland Wire Spring Co., Cleveland, O.
Columbian Mail Crane Co., Columbus, O.
Continental Diamond Fibre Co., East Newark, Del. (Fibre)
Fairbanks Co., 393 Lafayette, New York, N. Y.
Fairbanks, Morse & Co., Chicago, Ill.
Glascock Stove & Mfg. Co., Greensboro, N. C.
Hamilton Caster & Mfg. Co., Hamilton, O.
Hoist & Crane Engineering Co., Inc., 114 Liberty, New York, N. Y. "Truly-Safe"
Hooper (Wm. E.) & Sons Co., Phila., Pa. (Duck, Steel Frame)
Howe Chain Co., Muskegon, Mich.
Howe Scale Co., 123 Lafayette, New York, N. Y.
Illinois Iron & Bolt Co., Carpentersville, Ill. "Hercules"
Kelly-Derby Co., Chicago, Ill.
Knapheide (Henry) Wagon Co., Quincy, Ill. "Liberty," "Old Favorite," "Quincy," "Service"
Ladel Truck & Foundry Co., New Phila., O.
Lansing Co., Lansing, Mich. "Reynolds Improved"
Lewis-Shepard Co., Boston, Mass. "Jacklift"
Lupton's (David) Sons Co., Phila., Pa.
Lyon Metal Products, Inc., Aurora, Ill.
Menasha Wood Split Pulley Co., Menasha, Wis. "Lawson"
Messinger Mfg. Co., Tatamy, Pa.
Metal Products Corp., 49 Chestnut, Weehawken, N. J.
Millsite Steel & Wire Wks., Howell, Mich.
More Handy Truck Corp., 100 Rutledge, B'klyn, N. Y.
National Vulcanized Fibre Co., Wilmington, Del. "Laminas"
New Britain Mach. Co., New Britain, Conn.
Norwich Wire Wks., Inc., Norwich, N. Y.
Nutting Truck Co., Faribault, Minn.
Ohio Galvanizing & Mfg. Co., Niles, O.
Omaha Folding Machine Co., Omaha, Neb.
Orangeville Mfg. Co., Orangeville, Pa.
Plimpton Lift Truck Corp., Stamford, Conn.
Rogers Fibre Co., Boston, Mass. "Leatheroid"
Rowe (Henry) Mfg. Co., Newaygo, Mich.
Saginaw Stamping & Tool Co., Saginaw, Mich. "Raceaway"
St. Louis Truck & Mfg. Co., St. Louis, Mo. "American"
Schriver (O. P.) & Co., Cincinnati, O. "I.X.L."
Service Caster & Truck Co., Albion, Mich.
Smith (A. L.) Iron Wks., (Chelsea), Boston, Mass.
Southern Skein & Fdry. Co., Chattanooga, Tenn.
Sterling Wheelbarrow Co., Milwaukee, Wis.
Streich (A.) & Bro. Co., Oshkosh, Wis.
Tanner, D. F., Holland, N. Y.
Tucker & Dorsey Mfg. Co., Indianapolis, Ind.
Wallace (J. D.) & Co., Chicago, Ill.
Westbrook Elevator Mfg. Co., Danville, Va.
Western Wheelbarrow Mfg. Co., South Ft. Smith, Ark.
Whitehurst (R. W.) Mfg. Corp., Norfolk, Va.
Wood (Guilford S.) Co., Chicago, Ill.
Yale & Towne Mfg Co., Stamford, Conn.

TRUCKS, Stove

Arcade Mfg. Co., Freeport, Ill. "Baltzly," "Perfect," "Standard"
Bassick Co., Bridgeport, Conn. "Gem," "Universal"
Chicago Hdw. Foundry Co., North Chicago, Ill. "Harper Handy"
Clark (Geo. P.) Co., Windsor Locks, Conn.
Hamilton Caster & Mfg. Co., Hamilton, O.
Hill (C. V.) & Co., Trenton, N. J.
Howes (S. M.) Co., Boston, Mass.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Lansing Co., Lansing, Mich.
Norman Mfg. Co., Inc., Shickshinny, Pa. "Sir Norman"
Tucker & Dorsey Mfg. Co., Indianapolis, Ind. "Daisy"
Whitehurst (R. W.) Mfg. Corp., Norfolk, Va.

TRUCKS, Warehouse—See Trucks, Store, Warehouse and Factory

TRUNK CASTERS—See Casters, Trunk

TRUNK HARDWARE—See Hardware, Trunk

TRUNK LIFTS—See Lifts, Fuel and Basement

TRUNK RACKS, Automobile—See Carriers, Luggage

TRUNK LOCKS—See Locks, Trunk

TRUNK STRAPS—See Straps, Trunk

TRUCKS, Toy

All Metal Products Co., Wyandotte, Mich.
Buddy "L" Mfg. Co., East Moline, Ill. (Pull-N-Ride)
Kingsbury Mfg. Co., Keene, N. H. "Aerial"

TRUNKS, Automobile

Ajax Trunk & Sample Case Co., 418 W. 25th, New York, N. Y.
Berg Auto Trunk & Specialty Co., 39 W. 32nd, New York, N. Y.
Bigler Mfg. Co., Chippewa Falls, Wis. "Prestite"
Brackbill, Chas., Phila., Pa.
Clifton Mfg. Co., Waco, Tex.
Detroit Metal Specialty Corp., Detroit, Mich. "Metal-Bilt"
Globe Machine & Stamping Co., Cleveland, O.
Kronauer (Chas.) & Co., Chicago, Ill.
Likly & Rockett Trunk Co., Cleveland, O.
McDonald, Alexander, Boston, Mass.
McKane-Lins Co., Milwaukee, Wis. "Kamlee"
Sage's Trunk & Leather Goods Co., Boston, Mass.
Simon (S. C.) & Co., Phila., Pa.
Stallman, F. A., Columbus, O.
Taylor (C. A.) Trunk Wks., Chicago, Ill.
Tuttle & Clark, Detroit, Mich.
Watts-Morehouse Mfg. Corp., Jackson, Mich.
Winship, W. W., Boston, Mass.

TRUNKS, Toy

Cass (N. D.) Co., Athol, Mass.
Converse-Mason Corp., Winchendon, Mass. "Quality Line"
Mason & Parker Mfg. Co., Winchendon, Mass.
Mendel-Drucker Co., Cincinnati, O.
Rangow & Hall, Phila., Pa.
Totty Trunk & Bag Co., Petersburg, Va.

TRY SQUARE—See Squares, Try

TUB COVERS—See Covers, Tub

TUBE EXPANDERS—See Expanders, Tube

TUBE TESTER—See Radio Tube Tester

TUBES, Automobile, Inner

(See also Tires, Automobile, Pneumatic)

Ajax Rubber Co., Racine, Wis.
Auburn Rubber Co., Auburn, Ind.
Diamond Rubber Co., Inc., Akron, O.
Empire Tire & Rubber Co., Trenton, N. J.
Federal Rubber Co., Cudahy, Wis.; "Badger," "Beaver"
Firestone Tire & Rubber Co., Akron, O.
Fisk Tire & Rubber Co., Chicopee Falls, Mass.
General Tire & Rubber Co., Akron, O. "Red Coat"
Goodrich (B. F.) Rubber Co., Akron, O. "Air Container," "Cavalier," "Silvertown"
Goodyear Tire & Rubber Co., Akron, O.
Hood Rubber Products Co., Inc., Watertown, Mass.
Kelly-Springfield Tire Co., 1775 B'way, New York, N. Y.
Mansfield Tire & Rubber Co., Mansfield, O. "Century," "Richland"
Michelin Tire Co., Milltown, N. J.
Mohawk Rubber Co., Market, Akron, O. "Star"
Murray Rubber Co., Trenton, N. J.
Norwalk Tire & Rubber Co., Norwalk, Conn.
Pennsylvania Rubber Co., Jeannette, Pa.
Pharis Tire & Rubber Co., Newark, O.
Quaker City Rubber Co., Wissinoming, Phila, Pa. "Quaker"
Republic Rubber Co., Youngstown, O. "Grande"
Richland Rubber Co., Mansfield, O. "Harwood"
Seiberling Rubber Co., Akron, O.
United States Rubber Co., 1790 B'way, New York, N. Y.

TUBES, Radio, Vacuum—See Radio Vacuum Tubes

TUBES, Speaking, House

Berger Bros. Co., Phila., Pa.
Klauer Mfg. Co., Dubuque, Ia.
Milcor Steel Co., Milwaukee, Wis.
Ostrander (W. R.) Electric Wks., 911 Atlantic Av., B'klyn, N. Y.

TUBES, Spirit

Sand's Level & Tool Co., Detroit, Mich.
Stanley Wks., New Britain, Conn.

TUBES, Swimming

Essex Rubber Co., Trenton, N. J. "World of Fun"

TUBES, Vacuum, Radio—See Radio Vacuum Tubes

TUBES, Vacuum, Television

National Carbon Co., Inc., 30 E. 42nd, New York, N. Y. "Eveready Foto-Cell," "Eveready Kino-Lamp"

TUBING, Brass and Copper

American Brass Co., Waterbury, Conn. "Anaconda"
American Tube Works, Boston, Mass.
Baltimore Tube Co., Baltimore, Md.
Beardsley & Wolcott Mfg. Co., Waterville, Conn. (Curtain, Brass only)
Bridgeport Brass Co., Bridgeport, Conn.
Bristol Brass Co., Bristol, Conn.
Chase Brass & Copper Co., Waterbury, Conn.
Clendenin Bros., Inc., Baltimore, Md.
Dallas Brass & Copper Co., Chicago, Ill.
Federated Metals Corp., Chicago, Ill.
French Mfg. Co., Waterbury, Conn.
Imperial Brass Mfg. Co., Chicago, Ill.
Linderme Tube Co., Cleveland, O. (Copper)
MacKenzie-Walton Co., Pawtucket, R. I.
Michigan Copper & Brass Co., Detroit, Mich.
Motor Products Corp., Accessory Division, Detroit, Mich.
National Co., Waterbury, Conn.
Randolph-Clowes Co., Waterbury, Conn.
Revere Brass & Copper, Inc., 230 Park Av., New York, N. Y.
Roberts Tube Wks., Detroit, Mich.
Uniform Seamless Wire Co., Providence, R. I.
United Wire & Supply Co., Providence, R. I.
Waterbury Mfg. Co., Waterbury, Conn.
Wells (A. H.) & Co., Waterbury, Conn.
Wolverine Tube Co., Detroit, Mich. (Seamless)

TUBING, Copper—See Tubing, Brass and Copper

TUBING, Gas

American Metal Hose Co., Waterbury, Conn. (Flexible)
Atlantic Tubing Co., Providence, R. I. "Gaspruf"
Chicago Tubing & Braiding Co., Chicago, Ill. "Gastite," "Kantleke"
Eastman Mfg. Co., Manitowoc, Wis.
Federal Tubing Co., Phila., Pa. "Gold Stripe"
Keystone Brass & Rubber Co., Phila., Pa.
Titflex Metal Hose Corp., Badger, Av., Newark, N. J.

TUBING, Rubber—See Hose, Rubber

TUBING, Steel

American Metal Products Co., Detroit, Mich.
Agner Simplex Co., Burlington, Wis.
Atlantic Tubing Co., Providence, R. I. "Gaspruf"
Delaware Seamless Tube Co., Auburn, Pa.
Detroit Seamless Steel Tubes Co., Detroit, Mich.
Elyria Iron & Steel Co., Cleveland, O. "Elisco"
Fiat Metal Mfg. Co., Chicago, Ill.
General Pipe & Tube Corp., Bordentown, N. J.
Globe Seamless Steel Tubes Co., Milwaukee, Wis.
Ivins (Ellwood) Steel Tube Wks., Inc. (Oak Lane), Phila., Pa.
Metal Forming Corp., Elkhart, Ind. "Mefco"
Michigan Steel Tube Products Co., Detroit, Mich. (Welded)
Mohegan Tube Co., 306 Scott Av., B'klyn, N. Y.
Motor Products Corp., Accessory Division, Detroit, Mich.
National Tube Co., Pittsburgh, Pa. "Shelby"
Newark Tube Co., 560 Ferry, Newark, N. J.
Noblitt-Sparks Industries, Inc., Indianapolis, Ind.
Ohio Seamless Tube Co., Shelby, O.
Ohio Steel Products Co., Mineral Ridge, O.
Perfection Metal Products Co., College Point, N. Y.
Pittsburgh Steel Products Co., Union Arcade Bldg., Pittsburgh, Pa.

TUBING, Steel (Continued)

Rome Mfg. Co., Rome, N. Y.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Standard Metalwork Co., Thompsonville, Conn.
Standard Steel Tube Co., Toledo, O.
Standard Welding Co., W. 73d, Cleveland, O. "Stanweld"
Toledo Steel Tube Co., Toledo, O.
Tube Products Co., Detroit, Mich.
Wheeling Steel Corp., Wheeling, W. Va. "Wheeling"
Tuf Superior Co., Springfield, O. (Flexible)
Youngstown Steel Products Co., Youngstown, O.

TUBING, Steel, Seamless

Delaware Seamless Tube Co., Auburn, Pa.
Detroit Seamless Stel Tubes Co., Detroit, Mich.
General Pipe & Tube Corp., Bordentown, N. J.
Globe Seamless Steel Tubes Co., Milwaukee, Wis.
Iris (Ellwood) Steel Tube Wks., Inc. (Oak Lane), Phila., Pa.
National Tube Co., Pittsburgh, Pa.
Ohio Seamless Tube Co., Shelby, O.
Pittsburgh Seamless Tube Co., Beaver Falls, Pa.
Pittsburgh Steel Co., Pittsburgh, Pa.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Standard Seamless Tube Co., Pittsburgh, Pa.
Summerill Tubing Co., Bridgeport, Pa.
Timken Roller Bearing Co., Canton, O.
Youngstown Steel Products Co., Youngstown, O.

TUBS, Bath, Enameled Iron

Barnes Mfg. Co., Mansfield, O.
Crane Enamelware Co., Chattanooga, Tenn. "Southern Beauty"
Haines, Jones & Cadbury Co., Phila., Pa.
Humphryes Mfg. Co., Mansfield, O. "Mirard"
Iron City Sanitary Mfg. Co., Pittsburgh, Pa.
Kohler Co., Kohler, Wis. "Imperial," 'Sovereign"
Mott (J. L.) Iron Wks., 535 5th Av., New York, N. Y.
Nason Mfg. Co., 71 Fulton, New York, N. Y.
Peck Bros. & Co., New Haven, Conn.
Richmond Radiator Co., 1480 B'way, New York, N. Y.
Rundle Mfg. Co., Milwaukee, Wis.
Sanitas Mfg. Co., Boston, Mass. "Albemarle," "Brown," "Empire," "Hoffman"
Standard Sanitary Mfg. Co., Pittsburgh, Pa.
United States Sanitary Mfg. Co., Pittsburgh, Pa.
Wheeling Sanitary Mfg. Co., Wheeling, W. Va.
Wolff Mfg. Co., Chicago, Ill.

TUBS, Bath, Folding

Gold Medal Folding Furniture Co., Racine, Wis.
Hodgman Rubber Co., Framingham, Mass.
Robinson Cabinet Mfg. Co., Toledo, O.

TUBS, Bath, Infants'

American Can Co., 230 Park Av., New York, N. Y.
Atlas Tinware Co., 2472 3rd Av., New York, N. Y.
Bellaire Enamel Co., Bellaire, O. "Beco," "Better Baby," "Ideal"
Columbian Enameling & Stamping Co., Terre Haute, Ind.
Federal Enameling & Stamping Co., McKees Rocks, Pa. "Old Holland"
Geuder, Paeschke & Frey Co., Milwaukee, Wis.
Kreamer (A.), Inc., 307 Kent Av., B'klyn, N. Y.
Lalance & Grosjean Mfg. Co., Woodhaven, L. I., N. Y.
Lisk Mfg. Co., Canandaigua, N. Y.
National Enameling & Stamping Co., Milwaukee, Wis.
Pittsburgh Tinware Mfg. Co., Pittsburgh, Pa.
Savory, Inc., 591 Ferry, Newark, N. J.
Schleuter Mfg. Co., St. Louis, Mo.
Trimble (E. M.) Mfg. Co., Rochester, N. Y. "Bathinette"
Vollrath Co., Sheboygan, Wis.
Wheeling Steel Corp., Wheeling, W. Va.

TUBS, Bath, Porcelain

Crane Enamelware Co., Chattanooga, Tenn.
Fords Porcelain Wks., Perth Amboy, N. J.
General Ceramics Co., 71 W. 35th, New York, N. Y.
Humphryes Mfg. Co., Mansfield, O. "Mirard"
Kohler Co., Kohler, Wis.
Monument Pottery Co., Trenton, N. J.
Mott (J. L.) Iron Wks., 535 5th Av., New York, N. Y.
Nason Mfg. Co., 71 Fulton, New York, N. Y.
Sanitas Mfg. Co., Boston, Mass. "Marshall," "Monarch," "Underwood"
Standard Sanitary Mfg. Co., Pittsburgh, Pa.
Trenton Potteries Co., Trenton, N. J.
United States Sanitary Mfg. Co., Pittsburgh, Pa.
Wheeling Sanitary Mfg. Co., Wheeling, W. Va.

TUBS, Iron, Galvanized

Atlas Tinware Co., 2472 3rd Av., New York, N. Y.
Boyle Mfg. Co., Los Angeles, Cal. "Boyce"
Geuder, Paeschke & Frey Co., Milwaukee, Wis.
Lawson (F. H.) Co., Cincinnati, O. "Lawco"
Pittsburgh Tinware Mfg. Co., Pittsburgh, Pa.
Reeves Mfg. Co., Dover, O.
Republic Metalware Co., Buffalo, N. Y.
Robeson-Rochester Corp., Rochester, N. Y. "Royal Rochester"
Rochester Can Co., Rochester, N. Y. "Iron Horse"
Savory, Inc., 591 Ferry, Newark, N. J.
Wheeling Corrugating Co., Wheeling, W. Va.

TUBS, Laundry

Alberene Stone Co., 153 W. 23rd, New York, N. Y.
Celina Mfg. Co., Celina, O. "Handy" (Portable)
Crane Enamelware Co., Chattanooga, Tenn.
Humphryes Mfg. Co., Mansfield, O. "Mirard"
Ingram-Richardson Mfg. Co., Beaver Falls, Pa.
Kohler Co., Kohler, Wis.
Monument Pottery Co., Trenton, N. J.
Standard-Elsmore Granite Co., Chicago, Ill. "Universal"
Trenton Potteries Co., Trenton, N. J.

TUBS, Mortar

Fairbanks Co., 393 Lafayette, New York, N. Y.
Jackson Mfg. Co., Harrisburg, Pa.
Lansing Co., Lansing, Mich.

TUBS, Rinsing, Washing Machine

Celina Mfg. Co., Celina, O. "Handy"
Todd Co., Kansas City, Mo. "Drain-A-Tub"
Vulcan Mfg. Co., Kansas City, Mo. 'Roll-A-Tubs"

TUBS, Wash

American Can Co., 230 Park Av., New York, N. Y.
Atlantic Stamping Co., Rochester, N. Y.
Atlas Tinware Co., 2472 3rd Av., New York, N. Y.
Barnes Mfg. Co., Mansfield, O.
Behrens (H.) Mfg. Co., Winona, Minn.
Cincinnati Galvanizing Co., Cincinnati, O.
Cordley & Hayes, 35 Leonard, New York, N. Y. "Cordleyware"
Lawson (F. H.) Co., Cincinnati, O. "Lawco"
Lisk Mfg. Co., Canandaigua, N. Y.
Lovell Mfg. Co., Erie, Pa.
McLaughlin Co., Brockport, N. Y.
National Enameling & Stamping Co., Milwaukee, Wis.
Pittsburgh Tinware Mfg. Co., Pittsburgh, Pa.
Reeves Mfg. Co., Dover, O.
Richmond Cedar Works, Richmond, Va.
Rochester Can Co., Rochester, N. Y. "Iron Horse"
Savory, Inc., 591 Ferry, Newark, N. J.
Schlueter Mfg. Co., St. Louis, Mo. (Galvanized)
Sommers Bros. Appliance Co., Saginaw, Mich.
Vulcan Mfg. Co., Kansas City, Mo. "Roll-A-Tubs"
Wheeling Corrugating Co., Wheeling, W. Va.

TUBS, Wooden—See Pails and Buckets, Wooden

TUBULAR LANTERNS—See Lanterns, Tubular

TUBULAR RIVETS—See Rivets, Tubular

TUBULAR WAGON AXLES—See Axles, Carriage and Wagon

TUMBLER HOLDERS—See Holders, Tumbler

TUMBLERS, Glass

American Enameled Products Co., Chicago, Ill. "Sno-Wite"
Bonita Glass Corp., Huntington, W. Va.
Brilliant Glass Products, Inc., Weston, W. Va. "Westite"
Bryce Bros. Co., Mt. Pleasant, Pa. (Lead Blown)
Cambridge Glass Co., Cambridge, O.
Canton Glass Co., Marion, Ind.
Capstan Glass Co., Connellsville, Pa.
Central Glass Wks., Wheeling, W. Va.
Consolidated Lamp & Glass Co., Coraopolis, Pa.
Co-operative Flint Glass Co., Beaver Falls, Pa.
Crescent Glass Co., Wellsburg, W. Va.
Dunbar Flint Glass Co., Dunbar, W. Va.
Eustis (J. P.) Mfg. Co., Cambridge, Mass. "Brasscrafters"
Federal Glass Co., Columbus, O.
Fostoria Glass Co., Moundsville, W. Va.
Fry (H. C.) Glass Co., Rochester, Pa.
Hazel Atlas Glass Co., Wheeling, W. Va.
Hocking Glass Co., Lancaster, O.
Imperial Glass Co., Bellaire, O.
Jenkins (D. C.) Glass Co., Kokomo, Ind.
Macbeth-Evans Glass Co., Pittsburgh, Pa.
McKee Glass Co., Jeannette, Pa.
Miami Cabinet Co., Middletown, O.
Reliable Metal Novelty Co., 165 W. 21st, New York, N. Y. "Ramco"
Richardson Co., Melrose Park, Ill. "Richelain"
United States Glass Co., Pittsburgh, Pa.

TUMBLERS, Jelly

Ball Bros. Co., Muncie, Ind.
Canton Glass Co., Marion, Ind.
Capstan Glass Co., Connellsville, Pa.
Central Glass Wks., Wheeling, W. Va.
Consolidated Lamp & Glass Co., Coraopolis, Pa.
Crescent Glass Co., Wellsburg, W. Va.
Economy Glass Co., Morgantown, W. Va.
Federal Glass Co., Columbus, O.
Fostoria Glass Co., Moundsville, W. Va.
Hawkes (T. G.) & Co., Corning, N. Y.
Hazel Atlas Glass Co., Wheeling, W. Va.
Huntington Tumbler Co., Huntington, W. Va.
Imperial Glass Co., Bellaire, O.
Kerr Glass Mfg. Corp., Sand Springs, Okla.
McKee Glass Co., Jeannette, Pa.
Macbeth-Evans Glass Co., Charleroi, Pa.
Monongah Glass Co., Fairmont, W. Va.
Mound City Glass Co., Lumberport, W. Va.
Ripley & Co., Pittsburgh, Pa.
Rochester Tumbler Co., Rochester, Pa.
Smalley, Kivlan & Onthank, Boston, Mass. "Jiffy"
U. S. Glass Co., Pittsburgh, Pa.
Wellington Glass Co., Cumberland, Md.

TURKEY and CHICKEN STICKING KNIVES—See Knives, Sticking

TURNBUCKLES

American Cable Co., Inc., 230 Park Av., New York, N. Y.
Bethlehem Steel Co., Bethlehem, Pa.
Brownie Mfg. Co., Inc., Ft. Wayne, Ind.
Chicago Hardware & Fixture Co., Chicago, Ill.
Cleveland City Forge & Iron Co., Cleveland, O.
Daniel (Edw. W.), Cleveland, O. -"Wizard"
Eberhard Mfg. Co., 2790 Tennyson Rd., Cleveland, O.
Harper (H. M.) Co., Chicago, Ill.
Hess (Chas.) Co., 49-14 Metropolitan Av., B'klyn, N. Y.
Laughlin (Thos.) Co., 199 Fore, Portland, Me.
Lloyd Forge Co., Annville, Pa.
Maine Steel Products Co., South Portland, Me. "Mheco"
Merrill Bros., Maspeth, N. Y.
National Mfg. Co., Sterling, Ill. (Screen Door)
Parker Wire Goods Co., Worcester, Mass.
Republic Steel Corp., Upson Nut Div., Cleveland, O.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Wilcox, Crittenden & Co., Inc., 77 S. Main, Middletown, Conn.

TURNBUCKLES, Shutter—See Hooks, Shutter

TURNERS, Cake

A. & J. Kitchen Tool Co., Chicago, Ill. "Blutip"
Acme Metal Goods Mfg. Co., 2 Orange, Newark, N. J.
Aluminum Specialty Co., Manitowoc, Wis.
Arcade Mfg. Co., Freeport, Ill.
Buck (Wm. E.) Mfg. Co., Eastport, Me.
C-K-R Company, Cleveland, O.
Fargo Aluminum Co., Taunton, Mass.
Fernald Mfg. Co., North East, Pa.
Geuder, Paeschke & Frey Co., Milwaukee, Wis.
Hamblin & Russell Mfg. Co., Worcester, Mass. "Crown"
Handy Things Mfg. Co., Ludington, Mich.
Hills, Edwin, Plainville, Conn.
Kohler Die & Specialty Co., De Kalb, Ill.
Lalance & Grosjean Mfg. Co., Woodhaven, L. I., N. Y.
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass. "Anchor"
Landers, Frary & Clark, New Britain, Conn.
Meriden Cutlery Co., Meriden, Conn.
Metal Goods Corp., St. Louis, Mo.
National Enameling & Stamping Co., Milwaukee, Wis.
National Sheet Metal Co., Peru, Ill.
Osborn (C. S.) & Co., Box 183, Newark, N. J.
Parks & Parks, Troy, N. Y.
Plymouth Stamped Metal Co., Galion, O.
P. M. C. Mfg. Corp., Kingston, N. Y.
Racine Iron & Wire Wks., Racine, Wis.
Republic Metalware Co., Buffalo, N. Y.
Royal Mfg. Co., Phila., Pa.
Samson-United Corp., Rochester, N. Y. (Stainless)
Savory, Inc., 591 Ferry, Newark, N. J.
Schlueter Mfg. Co., St. Louis, Mo.
Southington Hdw. Co., Southington, Conn.
Standard Aluminum Co., Two Rivers, Wis.
Stover Mfg. & Engine Co., Freeport, Ill.
Taplin Mfg. Co., New Britain, Conn.
Teller, R. K., Unadilla, N. Y.
Transue & Williams Steel Forging Corp., Alliance, O. "Nirosta" (Stainless Steel)
Utility Mfg. Co., Baltimore, Md.
Vaughan Novelty Mfg. Co., Chicago, Ill. "No Chip"
Voos Co., Inc., New Haven, Conn.
Wallace Bros., Wallingford, Conn.
Washburn Company, Worcester, Mass. "Sno-Cap"
West Bend Aluminum Co., West Bend, Wis.
White (Ira F.) & Son Co., Bloomfield, N. J.

TURNERS, Pancake—See Turners, Cake

TURNING TOOLS—See Tools, Turning

TURNINGS, Wood

Bogert & Hopper, Inc., 200 Varick, New York, N. Y.
Carrom Co., Ludington, Mich.
Clement Toy Co., North Weare, N. H.
Estes (E. B.) & Son, Inc., 25 Vanderbilt Av., New York, N. Y.
H-B Hickory Handle Co., Haverhill, Mass.
Jackson & Tindle, Inc., Buffalo, N. Y.
Piqua Handle & Mfg. Co., Piqua, O.
Rowe (Henry) Mfg. Co., Newaygo, Mich.
Steger & Sons Piano Mfg. Co., Chicago, Ill.
Stossel (Carl) & Sons Co., Front Royal, Va.
Stratton Mfg. Co., Stratton, Me.
Union Hdw. Co., Torrington, Conn.

TURNS, Cupboard—See Catches, Cupboard, Door, Screen Door, Etc.

TURNTABLES, Display—See Fixtures, Display, Hardware

TURPENTINE

Day (Britton T. & S. P.) Co., Cleveland, O.
Duryea Mfg. Co., Bayonne, N. J. "Durco"
General Naval Stores Co., Inc., Cincinnati, O. "Newport"
Hercules Powder Co., Inc., Wilmington, Del.
Midway Chemical Co., Chicago, Ill. "Radiant"

TWEEZERS

Bates (C. J.) & Son, Chester, Conn.
Boettiger (Louis A.) Co., Springfield, Mass.
Bullock Mfg. Associates, Div. of Parker Wire Goods Co., Worcester, Mass.
Clauss Shear Co., Fremont, O.
Hackensack Specialty Mfg. Co., 200 Atlantic, Hackensack, N. J. "Oritany"
Henckels (J. A.), Inc., 456 4th Av., New York, N. Y. "Tin Brand," "Welkut"
Henkel Co., Fremont, O.
Schnefel Bros., 684 S. 17th, Newark, N. J. "La Cross"

TWINE—See also Cordage

TWINE, In Assortments

Empire Twine & Yarn Co., Inc., 70 Thomas, New York, N. Y.
Hoffman-Corr. Mfg. Co., Philadelphia, Pa.

TWINE, Binder

(See also Twine, Wrapping)

American Mfg. Co., Noble & West, B'klyn, N. Y. "American"
Columbian Rope Co., 352 Genesee, Auburn, N. Y.
Empire Twine & Yarn Co., Inc., 70 Thomas, New York, N. Y.
Fitler (Edwin H.) Co., Phila., Pa. "Diamond"
Groendyke (J. C.) Co., Chicago, Ill. "Circle C"
Hooven & Allison Co., Xenia, O. "Star Brand"
International Harvester Co., Chicago, Ill. "Deering," "International," "McCormick"
January & Wood Co., Maysville, Ky. "Hometies," "Maysville"
Kelly (R. A.) Co., Xenia, O.
Mayapan Cordage Co., Inc., Mutual Home Bldg., Dayton, O. "Fidelity"
Peoria Cordage Co., Peoria, Ill. "Peerless"
Plymouth Cordage Co., North Plymouth, Mass.
Portland Cordage Co., Portland, Ore.
Rinek Cordage Co., Easton, Pa.

TWINE, Bunching—See Twine, Jute

TWINE, Cotton—See Twine, Wrapping, Etc.

TWINE CUTTERS—See Cutters, Rope, Cord and Twine

TWINE, Flax—See Twine, Wrapping, Etc.

TWINE, Hemp—See Twine, Wrapping, Etc.

TWINE HOLDERS—See Holders, Twine

TWINE, India

American Mfg. Co., West & Noble Sts., B'klyn, N. Y. "American"
Columbian Rope Co., 352 Genesee, Auburn, N. Y.
Empire Twine & Yarn Co., Inc., 70 Thomas, New York, N. Y.

TWINE, Jute

(See also Twine, Binder)

American Mfg. Co., West & Noble, B'klyn, N. Y. "American"
Chelsea Fibre Mills, 295 5th Av., New York, N. Y.
Columbian Rope Co., 352 Genesee, Auburn, N. Y. "Eureka"
Empire Twine & Yarn Co., Inc., 70 Thomas, New York, N. Y.
Fulton Bag & Cotton Mills, Inc., 330 Wythe Av., B'klyn, N. Y.
Linen Thread Co., 200 Hudson, New York, N. Y. "Barbour"
Wynne (Frank W.) & Son, Inc., Phila, Pa.

TWINE, Kite

Empire Twine & Yarn Co., Inc., 70 Thomas, New York, N. Y.

TWINE, Parcel Post

American Mfg. Co., West & Noble, B'klyn, N. Y. "American"
Columbian Rope Co., 352 Genesee, Auburn, N. Y.
Empire Twine & Yarn Co., Inc., 70 Thomas, New York, N. Y.
Samson Cordage Wks., 89 Broad, Boston, Mass.

TWINE, Sewing

American Mfg. Co., West & Noble, B'klyn, N. Y. "American"
Columbian Rope Co., 352 Genesee, Auburn, N. Y.
Empire Twine & Yarn Co., Inc., 70 Thomas, New York, N. Y.
Fulton Bag & Cotton Mills, Inc., 330 Wythe Av., B'klyn, N. Y. (Bag)

TWINE, Vegetable

American Mfg. Co., West & Noble., B'klyn, N. Y. "American"
Columbian Rope Co., 352 Genesee, Auburn, N. Y.
Empire Twine & Yarn Co., Inc., 70 Thomas, New York, N. Y.

TWINE, Wrapping, Etc.

(See also Twine, Binder)

American Mfg. Co., Noble & West, B'klyn, N. Y.
American Mills Co., Atlanta, Ga. "White Owl"
Anniston Cordage Co., Anniston, Ala.
Atco Co., Atlanta, Ga. "Daisy"
Bibb Mfg. Co., Macon, Ga.
California Cotton Mills Co., Oakland, Cal. "BB," "BC"
Capital Mfg. Co., Kingsville, Tex.
Columbian Rope Co., 352 Genesee, Auburn, N. Y. "Eureka"
De Roo's (P.) Sons, Cincinnati, O. "Utility"
Eagle Cotton Mills Co., Madison, Ind.
Empire Twine & Yarn Co., Inc., 70 Thomas, New York, N. Y. "Regent," "Ruby," "Triton"
Estes Mills, Fall River, Mass.
Fricke (J. E.) Co., Phila., Pa.
Fulton Bag & Cotton Mills, Inc., 330 Wythe Av., B'klyn, N. Y. "Eagle Sail"
Hanover Cordage Co., Hanover, Pa.
Hoffman-Corr Mfg. Co., Phila., Pa.
Hooper (Wm. E.) & Sons Co., Phila, Pa "Hooperwood"
Hooven & Allison Co., Xenia, O.
January & Wood Co., Maysville, Ky. "Hometies," "Maysville"
Kentucky River Mills, Frankfort, Ky.
Lees Mfg. Co., Westport, Conn.
Linen Thread Co., 200 Hudson, New York, N. Y. "Barbour"
Linn Mills Co., Landis, N. C.
Mallison Braided Cord Co., Athens, Ga.
Manchester Mfg. Co., Macon, Ga.
Missouri Cotton Yarn Mfg. Co., St. Louis, Mo.
Montgomery Cordage Co., Montgomery, Ala.
Orange Cotton Mills, Orangeburg, S. C.
Plymouth Cordage Co., North Plymouth, Mass.
Rinek Cordage Co., Easton, Pa.
St. Louis Cordage Mills, St. Louis, Mo.
Samson Cordage Wks., 89 Broad, Boston, Mass. "Nashoba"
Schlichter Jute Cordage Co., Phila., Pa.
Tennessee Line & Twine Co., Elizabethton, Tenn. (Seine Twine)
Townsend (H. C.) Cotton Mills, Anderson, S. C.
Trio Mfg. Co., Forsyth, Ga.
Undine Twine Mills, Inc, Moodus, Conn.
Whitlock Cordage Co., 46 South, New York, N. Y.
Wortendyke Mfg. Co., Richmond, Va.
Wynne (Frank W.) & Son, Inc., Phila., Pa. "Clover," "Universal"
Yocona Mills, Water Valley, Miss.

TWIST BELTING—See Belting, Round or Twist

TWIST DRILL GAGES—See Gages, Drill

TWIST DRILLS—See Drills, Twist

TWISTERS—See Handcuffs, Twisters, Leg Irons, Etc.

TWO MAN CROSSCUT SAWS—See Saws, Crosscut

TYPEWRITER BRUSHES—See Brushes, Typewriter

TYPEWRITERS, Toy and Juvenile

Buckeye Toy Co., Cleveland, O. "Marvel"
Simplex Typewriter Co., 210 11th Av., New York, N. Y.

"U" BOLTS—See Bolts, "U"

U. S. S. SEMI-FINISHED NUTS—See Nuts, U. S. S. Semi-Finished

UMBRELLAS, Beach, Lawn, Wagon, Etc.

Follmer, Clogg & Co., Lancaster, Pa.
Gold Medal Folding Furniture, Co., Racine, Wis. "Racine"
Goss (John C.) Co., Woodbridge & Bates, Detroit, Mich.
Howell Company, Geneva, Ill.
Majestic Sunshade Co., 206 Lexington Av., New York, N. Y.
Perfection Mfg. Co., St. Louis, Mo.
Sun Tent & Awning Co., San Francisco, Cal.
Textile Product Mfg. Co., St. Louis, Mo.
Troy Sunshade Co., Troy, O.

UMBRELLAS, Lawn—See Umbrellas, Beach, Lawn, Wagon, Etc.

UMBRELLAS, Wagon—See Umbrellas, Beach, Lawn, Wagon, Etc.

UMPIRES' BODY PROTECTORS—See Protectors, Body

UMPIRES' INDICATORS—See Indicators, Umpires

UMPIRES' LEG GUARDS—See Guards, Leg, Catchers' and Umpires'

UMPIRES' WHISTLES — See Whistles, Referees' and Umpires'

UNDERGROUND GARBAGE RECEIVERS — See Receivers, Garbage

UNDERGROUND OIL STORAGE TANKS — See Tanks, Oil Storage, Underground

UNIFORMS, Base Ball

Carr (Chas. C.) Co., Indianapolis, Ind.
Draper-Maynard Co., Plymouth, N. H.
Federal Sporting Goods Co, 60 Lispenard, New York, N. Y.
Goldsmith's (P.) Sons, Cincinnati, O.
Ken-Wel Sporting Goods Co., Utica, N. Y.
Post Mfg. Co., 264 Canal, New York, N. Y.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.), Wright & Ditson, Inc., Phila, Pa.
Reg'lar Fellers, Cincinnati, O.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stall & Dean Mfg. Co., Brockton, Mass.
Van Cott Bros., 112 W. 18th, New York, N. Y.
Wilson-Western Sporting Goods Co., Chicago, Ill.

UNIFORMS, Basket Ball

Carr (Chas. C.) Co., Indianapolis, Ind.
General Athletic Products Co., Greenville, O.
Ken-Wel Sporting Goods Co., Utica, N. Y.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Reg'lar Fellers, Cincinnati, O.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Wilson-Western Sporting Goods Co., Chicago, Ill.

UNIFORMS, Foot Ball

Carr (Chas. C.) Co., Indianapolis, Ind.
Draper-Maynard Co., Plymouth, N. H.
Federal Sporting Goods Co., 60 Lispenard, New York, N. Y.
General Athletic Products Co., Greenville, O.
Goldsmith's (P.) Sons, Cincinnati, O.
Ken-Wel Sporting Goods Co., Utica, N. Y.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Reg'lar Fellers, Cincinnati, O.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stall & Dean Mfg. Co., Brockton, Mass.
Van Cott Bros., 112 W. 18th, New York, N. Y.
Wilson-Western Sporting Goods Co, Chicago, Ill.

UNION TEES—See Tees, Union

UNIONS, Pipe—See Fittings, Pipe

UNITS, Heater—See Elements, Electric Heating

UNITS, Refrigerator, Electrical

American Engineering Co., Phila., Pa.
Baker Ice Machine Co., Inc., Omaha, Neb.
Copeland Products, Inc., Mt. Clemens, Mich.
Creamery Package Mfg. Co., Chicago, Ill.
Dayton Refrigeration Corp., Dayton, O.
Deissler Machine Co., Greenville, Pa.
Frigidaire Corp., Dayton, O.
Icecaire Corp., Duran, Mich.
Iceberg Mfg. Co., Gardner, Mass.
Kellogg Mfg. Co., Rochester, N. Y.
Kelvinator Corp., Detroit, Mich.
Keokuk Refrigerating Co., Keokuk, Ia.
Kulair Corp., Phila., Pa.
Rice Electric Refrigeration, Inc., 36 Flatbush Av., B'klyn, N. Y.
Starr Co., Richmond, Ind.
Summerheat Corp. of America, Dowagiac, Mich. "American Ace"
Tiger Corp., Chelsea, Mass.
Williams Oil-O-Matic Heating Corp., Bloomington, Ill. "Ice-O-Matic"
Zerozone Corp., Chicago, Ill.

UNITS, Rod and Grid — See Elements, Electric Heating

UNLOADING TOOLS, HAY—See Tools, Hay Unloading

UNPAINTED NOVELTY FURNITURE—See Furniture, Novelty, Unpainted

UPHOLSTERERS' HAMMERS — See Hammers, Upholsterers'

UPHOLSTERERS' NAILS—See Nails, Upholsterers'

UPHOLSTERERS' TACKS—See Tacks, Upholsterers'

UPHOLSTERERS' TOOLS—See Tools, Upholsterers'

UPHOLSTERING SPRINGS—See Springs, Upholstering

UPHOLSTERY NEEDLES—See Needles, Upholstery and Mattress

UPSET SWAGES—See Swages, Upset

URNS, Coffee, Etc.

Aldrich Mfg. Co., Buffalo, N. Y.
Bersted Mfg. Co., Chicago, Ill. (Electric)
Buffalo Lamp & Mfg. Co., Inc., Buffalo, N. Y. "Perfection"
Coleman Lamp & Stove Co, Wichita, Kan. "Diana" (Electric)

URNS, Coffee, Etc. (Continued)

Knapp-Monarch Co., Belleville, Ill. "Therm-a-Hot." "Therm-a-Magic" (Electric)
Landers, Frary & Clark, New Britain, Conn. "Universal" (Electric)
Manning, Bowman & Co., Meriden, Conn. (Electric)
National Stamping & Electric Wks., Chicago, Ill. "White Cross" (Electric)
Ray (Geo. A.) Mfg. Co., Buffalo, N. Y.
Rome Mfg. Co., Rome, N. Y. (Electric)
Rutenber Electric Co., Marion, Ind. "Marion" (Electric)
Standard Electric Stove Co., Toledo, O.
West Bend Aluminum Co., West Bend, Wis. "De Luxe"
Westinghouse Electric & Mfg. Co., Mansfield, O. "Berkley," "Eaton," "Egyptian," "Grecian," "Warrington" (Electric)

URNS, Lawn—See Vases, Lawn

UTENSILS—See article desired

UTENSILS, Cooking, Camp

Aluminum Products Co., La Grange, Ill. "Princess"

UTENSILS, Cooking, Stainless Steel

Carrollton Metal Products Co., Carrollton, O.

UTENSILS, Cooking, Toy

A. & J. Kitchen Tool Co., Chicago, Ill. "Mother's Little Helper"
Aluminum Goods Mfg. Co., Manitowoc, Wis.
Carrollton Metal Products Co., Carrollton, O. "Like-Mothers"
Dowst Mfg. Co., Chicago, Ill.
Ohio Art Co., Bryan, O.
Wagner Mfg. Co., Sidney, O.
Wolverine Supply & Mfg. Co., Pittsburgh, Pa.

VACUUM BOTTLE CASES—See Cases, Vacuum Bottle

VACUUM BOTTLES—See Bottles, Vacuum

VACUUM CLEANERS—See Cleaners, Vacuum

VACUUM DISHES—See Bottles, Vacuum

VACUUM GAP ARRESTERS—See Arresters, Lightning, Radio

VACUUM JARS—See Bottles, Vacuum; also Jars, Vacuum

VACUUM JUGS—See Bottles, Vacuum

VACUUM SPECIALTIES—See Specialties, Vacuum

VACUUM TUBE, Radio Receiving Sets—See Radio Receiving Sets, Vacuum Tube

VACUUM TUBES, Radio—See Radio Vacuum Tubes

VACUUM WASHERS—See Washers, Vacuum, Hand Suction

VACUUM WATER SETS—See Sets, Water, Vacuum

VALLEY, Roofing

Braden Mfg. Co., Terre Haute, Ind.
Globe Iron Roofing & Corrugating Co., Inc., Newport, Ky.
Milcor Steel Co., Milwaukee, Wis.
Northwest Metal Products, Inc., Seattle, Wash. "Norwesco"
Parkersburg Iron & Steel Co., Parkersburg, W. Va.
Purdy, W. A., Manchester, Vt.
Reeves Mfg. Co., Dover, O.
St. Paul Corrugating Co., St. Paul, Minn.
Souther (E. E.) Iron Co., St. Louis, Mo.
Wheeling Corrugating Co., Wheeling, W. Va.

VALVE GRINDING COMPOUNDS—See Compounds, Valve Grinding

VALVE LIFTERS—See Lifters, Valve, Automobile

VALVES, Air

Allen (W. D.) Mfg. Co., Chicago, Ill.
American Auto Products Co., Washington, D. C.
Beaton & Cadwell Mfg. Co., New Britain, Conn. "Cadwell," "Gem"
Belfield (H.) Co., Phila., Pa.
Belknap Mfg. Co., Bridgeport, Conn.
Crane Co., Chicago, Ill.
Dole Valve Co., Chicago, Ill. (Post)
Edelmann (E.) & Co., Chicago, Ill.
Hoffman Specialty Co., Waterbury, Conn.
Keystone Brass & Rubber Co., Phila., Pa.
Miller, Chas. E., Anderson Rubber Wks., Anderson, Ind.
Milwaukee Valve Co., Milwaukee, Wis. "Milvaco"
Scovill Mfg. Co., Plumbers' Brass Gds. Div., Waterville, Conn.
Steele & Johnson Mfg. Co., Waterbury, Conn.
Ventwell Valve Co., Chicago, Ill.

VALVES, Automobile Tire—See Valves, Tire

VALVES, Brass—See Valves, Check, Stop, Etc.

VALVES, Bronze

Fairbanks Co., 393 Lafayette, New York, N. Y.
Powell (Wm.) Co., Cincinnati, O.

VALVES, Check, Stop, Etc.

Albany Steam Trap Co., Albany, N. Y.
American Foundry & Construction Co., Pittsburgh, Pa.
American Valve Co., Coxsackie, N. Y.
Bashlin Co., Warren, Pa.
Belfield (H.) Co., Phila., Pa.
Belknap Mfg. Co., Bridgeport, Conn.
Bourbon Copper & Brass Wks., Cincinnati, O.
Buckeye Iron & Brass Wks., Dayton, O.
Cash (A. W.) Co., Decatur, Ill.
Central Brass Mfg. Co., Cleveland, O.
Chapman Valve Mfg. Co., Indian Orchard, Mass.
Coffin Valve Co., Boston, Mass.
Crane Co., Chicago, Ill.
Crosby Steam Gauge & Valve Co., 30 Church, New York, N. Y.
Darling Valve Mfg. Co., Williamsport, Pa.
Detroit Brass & Malleable Wks., Detroit, Mich.
Detroit Lubricator Co., Detroit, Mich.
Eastwood Wire Mfg. Co., Belleville, N. J.
Eddy Valve Co., Waterford, N. Y.
Fairbanks Co., 393 Lafayette, New York, N. Y.
Fewlass-Leen Brass & Iron Co., Cincinnati, O.
Fisher Governor Co., Marshalltown, Ia.
General Brass Co., Detroit, Mich.
Generator Valve Co., B'klyn, N. Y.
Glauber Brass Mfg. Co., Cleveland, O.
Golden-Anderson Valve Specialty Co., Pittsburgh, Pa.
Hammond Brass Works, Hammond, Ind.
Hennebohle, Frank, Chicago, Ill.
Hoffmann (B.) Mfg. Co., Milwaukee, Wis.
Humphryes Mfg. Co., Mansfield, O.
Imperial Brass Mfg. Co., Chicago, Ill.
Illinois Eng'g. Co., Chicago, Ill.
Jarecki Mfg. Co., Erie, Pa.
Jenkins Bros., 80 White, New York, N. Y.
Kendrick Valve & Washer Co., Syracuse, N. Y.
Kennedy Valve Mfg. Co., Elmira, N. Y.
Kersten Co., Inc., Chicago, Ill.
Kinsey & Mahler Co., Peoria, Ill.
Locke Regulator Co., Salem, Mass.
Ludlow Valve Co., Troy, N. Y.
Lunkenheimer Co., Cincinnati, O.
McDonald (A. Y.) Mfg. Co., Dubuque, Ia.
Milwaukee Valve Co., Milwaukee, Wis.
Mueller (H.) Mfg. Co., Decatur, Ill.
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O.
National Brass Mfg. Co., Rochester, N. Y.
Nelson Valve Co., (Chestnut Hill), Phila., Pa.
Pittsburgh Valve Foundry & Construction Co., Pittsburgh, Pa.
Powell (Wm.) Co., Cincinnati, O.
Pratt & Cady Co., Hartford, Conn.
Rensselaer Valve Co., Troy, N. Y.
Robertson (H. E.) Co., Chicago, Ill.
Scott Valve Mfg. Co., Detroit, Mich.
Walworth Co., Boston, Mass.
Williams (D. T.) Valve Co., Cincinnati, O.

VALVES, Float and Tank

Crane Co., 836 S. Michigan Av., Chicago, Ill.
Flint & Walling Mfg. Co., Kendallville, Ind. "Hoosier"
McDonald (A. Y.) Mfg. Co., Dubuque, Ia.
McShane Bell Foundry Co., Baltimore, Md.
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O.
Watts Regulator Co., Lawrence, Mass.
Walworth Co., Boston, Mass.

VALVES, Foot

Buckeye Iron & Brass Wks., Dayton, O.
Butler Co., Butler, Ind.
Crane Co., Chicago, Ill.
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O.
Walworth Co., Boston, Mass.
Worthington Pump & Mchry. Corp., 115 B'way, New York, N. Y.

VALVES, Gate

American Valve Co., Coxsackie, N. Y.
Barber Asphalt Co., Phila., Pa. "Aterite," "Barberite"
Belknap Mfg. Co., Bridgeport, Conn.
Buckeye Iron & Brass Wks., Dayton, O.
Crane Co., Chicago, Ill.
Detroit Brass & Malleable Wks., Detroit, Mich.
Detroit Lubricator Co., Detroit, Mich.
Eddy Valve Co., Waterford, N. Y.
Electro Alloys Co., Elyria, O. "Thermalloy"
Fairbanks Co., 393 Lafayette, New York, N. Y.
Hammond Brass Works, Hammond, Ind.
Jenkins Bros., 80 White, New York, N. Y.
McDonald (A. Y.) Mfg. Co., Dubuque, Ia.
Milwaukee Valve Co., Milwaukee, Wis.
Nichol (Thos. J.) Co., Cincinnati, O.
Ohio Brass Co., Mansfield, O.
Powell (Wm.) Co., 2525 Spring Grove Av., Cincinnati, O. "White Star"
Rickersburg Brass Co., Cleveland, O.
Walworth Co., Boston, Mass. "Federal," "KW," "Kay," "Kebo," "Walco"

VALVES, Globe and Angle

American Valve Co., Coxsackie, N. Y.
Bashlin Co., Warren, Pa.
Belfield (H.) Co., Phila., Pa.
Belknap Mfg. Co., Bridgeport, Conn.
Buckeye Iron & Brass Wks., Dayton, O.
Central Brass Mfg. Co., Cleveland, O.
Crane Co., Chicago, Ill.
Detroit Brass & Malleable Wks., Detroit, Mich.
Detroit Lubricator Co., Detroit, Mich.
Electro Alloys Co., Elyria, O. "Thermalloy"
Fairbanks Co., 393 Lafayette, New York, N. Y. "Hitensil"
General Brass Co., Detroit, Mich.
Jenkins Bros., 80 White, New York, N. Y.
Lunkenheimer Co., Cincinnati, O.
Milwaukee Valve Co., Milwaukee, Wis.
Nichol (Thos. J.) Co., Cincinnati, O.
Ohio Brass Co., Mansfield, O.
Powell (Wm.) Co., Cincinnati, O.
Rickersburg Brass Co., Cleveland, O.
United-Oberndorf Corp., Cleveland, O.
Walworth Co., Boston, Mass. "Ferro," "Kewanee" (Regrinding)

VALVES, Hose

Allen (W. D.) Mfg. Co., Chicago, Ill.
American Valve Co., Coxsackie, N. Y.
Buckeye Iron & Brass Wks., Dayton, O.
Crane Co., Chicago, Ill.
Eddy Valve Co., Waterford, N. Y. (Bronze)
Fairbanks Co., 393 Lafayette, New York, N. Y.
Haydenville Co., Haydenville, Mass.
Hoffmann (B.) Mfg. Co., Milwaukee, Wis.
Powell (Wm.) Co., Cincinnati, O. "Crescent"
Schlangen Mfg. Co., Chicago, Ill. "California," "Chicago"
Sherman (H. B.) Mfg. Co., Battle Creek, Mich.
Thompson Mfg. Co., Los Angeles, Cal.
Walworth Co, Boston, Mass. (Underwriters)
Wirt & Knox Mfg. Co., Phila., Pa.

VALVES, Iron

Crane Co., Chicago, Ill.
Fairbanks Co., 393 Lafayette, New York, N. Y.
Jenkins Bros., 80 White, New York, N. Y.
Powell (Wm.) Co., Cincinnati, O.
Walworth Co., Boston, Mass. "Walco"

VALVES, Lead-Lined

National Lead Co., 111 B'way, New York, N. Y.

VALVES, Leather

Flexement Corp., Muskegon, Mich.
Graton & Knight Co., Worcester, Mass.
Hess & Hopkins Leather Co., Rockford, Ill. "Honest Leather"
Houghton (E. F.) & Co., Phila., Pa.
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O.
Walworth Co., Boston, Mass.

VALVES, Pump

Anchor Packing Co., Phila., Pa. "Ankorite"
Backus Novelty Co., Smethport, Pa. (Pitcher)
Chicago Belting Co., Chicago, Ill. "Flextan," "Reliance"
Diamond Rubber Co., Inc., Akron, O.
Federal Metallic Packing Co., Boston, Mass.
Goodrich (B. F.) Rubber Co., Akron, O. (Rubber)
Home Rubber Co., Trenton, N. J.
New York Rubber Corp., 19 W. 44th, New York, N. Y.
Quaker City Rubber Co., Wissinoming, Phila., Pa.
Voorhees Rubber Mfg. Co., 20 Bostwick Av., Jersey City, N. J. "Rub-Steel"
Worthington Pump & Mchy. Corp., 115 B'way, New York, N. Y.

VALVES, Radiator

Albany Steam Trap Co., Albany, N. Y. "Blessing"
American Radiator Co., Buffalo, N. Y.
American Valve Co., Coxsackie, N. Y.
Chapman Valve Mfg. Co., Indian Orchard, Mass.
Commonwealth Brass Corp., Detroit, Mich. "Lavigne"
Crane Co., Chicago, Ill.
Detroit Brass & Malleable Wks., Detroit, Mich.
Detroit Lubricator Co., Detroit, Mich.
Dunham (C. A.) Co., Chicago, Ill.
Durst Mfg. Co., 468 B'way, New York, N. Y.
Eureka Brass Wks., Cincinnati, O.
Fairbanks Co., 393 Lafayette, New York, N. Y.
General Brass Co., Detroit, Mich.
Gorton & Lidgerwood Co., Garwood, N. J.
Guaranteed Appliance Co., Chicago, Ill.
Hammond Brass Works, Hammond, Ind.
Haydenville Co., Haydenville, Mass.
Haynes-Thompson Co., Phila., Pa. "Precise"
Hoffmann Specialty Co., Chicago, Ill.
Jenkins Bros., 80 White, New York, N. Y.
Kelly Brass Wks., Chicago, Ill.
Kennedy Valve Mfg. Co., Elmira, N. Y.
Lunkenheimer Co., Cincinnati, O.
McAlear Mfg. Co., Chicago, Ill.
Magee Steam Specialty Corp., 476 Broome, New York, N. Y. "Jumbo"
Marsh Valve Co., Dunkirk, N. Y.
Milwaukee Valve Co., Milwaukee, Wis. "M"
Monash-Younker Co., Chicago, Ill.
Mouat-Squires Co., Cleveland, O.
Nason Mfg. Co., 71 Fulton, New York, N. Y.

VALVES, Radiator (Continued)

Ohio Brass Co., Mansfield, O. "O. B."
O'Malley-Beare Valve Co., Chicago, Ill. "Multiplate"
Penn Engineering Co., Phila., Pa.
Powell (Wm.) Co., Cincinnati, O. "Composite," "Crescent," "Union," "White Star"
Reading-Pratt & Cady Co., Inc., Bridgeport, Conn.
Star Brass Mfg. Co., Boston, Mass. "Renewable"
Stephens Roe Mfg. Co., Detroit, Mich. "Chicago," "Scott"
Superior Brass Mfg. Co., Mansfield, O.
Syracuse Faucet & Valve Co., Eastwood, N. Y.
United States Radiator Corp., Detroit, Mich.
Ventwell Valve Co., Chicago, Ill.
Walworth Co., Boston, Mass.
Webster Warren & Co., Camden, N. J.
Williams (D. T.) Valve Co., Cincinnati, O.

VALVES, Regrinding

Fairbanks Co., 393 Lafayette, New York, N. Y.

VALVES, Relief

Ashton Valve Co., Cambridge, Mass.
Atwood & Morrill Co., Salem, Mass.
Cash (A. W.) Co., Decatur, Ill.
Crane Co., Chicago, Ill.
Imperial Brass Mfg. Co., Chicago, Ill.
Lunkenheimer Co., Cincinnati, O.
Mueller Co., Decatur, Ill.
Powell (Wm.) Co., Cincinnati, O.
Stack Heater Co., Boston, Mass. "Donnelly"
Walworth Co., Boston, Mass.

VALVES, Renewable Disc

Fairbanks Co., 393 Lafayette, New York, N. Y.

VALVES, Safety—See Valves, Relief

VALVES, Steel

Chapman Valve Mfg. Co., Indian Orchard, Mass.
Darling Valve & Mfg. Co., Williamsport, Pa.
Jenkins Bros., 80 White, New York, N. Y.
Locke Regulator Co., Salem, Mass.
Lunkenheimer Co., Cincinnati, O. "Victor"
Nelson Valve Co., Phila., Pa.
Nicholson (W. H.) & Co., Wilkes-Barre, Pa.
Penn Seaboard Steel Corp., Phila., Pa.
Powell (Wm.) Co., Cincinnati, O.
Reading-Pratt & Cady Co., Inc., Bridgeport, Conn.
Walworth Co., Boston, Mass.

VALVES, Stop—See Valves, Check, Stop, Etc.

VALVES, Throttle

Fairbanks Co., 393 Lafayette, New York, N. Y.
Knox Mfg. Co., Phila., Pa.
Lunkenheimer Co., Cincinnati, O.
Pekor Iron Wks., Columbus, Ga.
Walworth Co., Boston, Mass.

VALVES, Tire

Acme Air Appliance Co., Inc., 254 Park Av., B'klyn, N. Y. "T. & R."
Dill Mfg. Co., Cleveland, O. "Instant-On"
Dole Valve Co., Chicago, Ill.
Schrader's (A.) Son, 470 Vanderbilt Av., B'klyn, N. Y.
U. S. Air Compressor Company, Cleveland, O.

VANES, Weather

Barbee Wire & Iron Wks., Chicago, Ill.
Barnum (E. T.) Wire & Iron Wks., Detroit, Mich.
Canton Art Metal Co., Canton, O.
Edwards Mfg. Co., Cincinnati, O.
Eller Mfg. Co., Canton, O.
Fiske (J. W.) Iron Wks., 78 Park Pl., New York, N. Y.
Gerock Bros. Mfg. Co., St. Louis, Mo.
Henis' (Wm. G.) Sons & Co., Phila., Pa.
Household Patent Co., Norristown, Pa.
Jones, Harold K., 153 Maiden Lane, New York, N. Y.
Milcor Steel Co., Milwaukee, Wis.
Mott (J. L.) Iron Wks., 535 5th Av., New York, N. Y.
National Sheet Metal Roofing Co., 339 Grand, Jersey City, N. J.
National-Standard Co., Niles, Mich. "Diamond"
St. Louis Lightning Rod Co., St. Louis, Mo.
Scott Roofing & Mfg. Co., Cincinnati, O.
Smith (F. P.) Wire & Iron Wks., Chicago, Ill.
Snow (W. A.) Iron Wks., Boston, Mass.
Souther (E. E.) Iron Co., St. Louis, Mo.
Washburne (Edw. G.) & Co., 207 Fulton, New York, N. Y.

VARNISH BRUSHES—See Brushes, Paint and Varnish

VARNISH CLEANERS—See Cleaners, Paint and Varnish

VARNISH GATES—See Gates, Molasses, Oil and Varnish

VARNISH REMOVERS—See Removers, Paint and Varnish

VARNISH STAINS—See Stains, Varnish

VARNISH STRAINERS—See Strainers, Paint

VARNISHES

(See also Paints; also article desired)

Acme White Lead & Color Wks., Detroit, Mich.
Adams & Elting Co., Chicago, Ill. "Ad-el-ite," "Builders Special," "101," "103 Hobnail-Proof," "Spar-ite Print-Proof"
Advance Paint Co., Indianapolis, Ind.
Aetna Varnish Co., Vandervoort Av. & Maspeth, B'klyn, N. Y.
Akron Varnish Co., Akron, O.
Ambassador Specialties, Inc., Detroit, Mich. "Heart of Quality" (Japan Dryer)
American Varnish Co., Chicago, Ill.
American Varnish Works, 425 Greenpoint Av., B'klyn, N. Y.
Anglo-American Varnish Co., 55 Johnson, Newark, N. J.
Arco Co., Cleveland, O.
Armitage (John L.) & Co., 245 Thomas, Newark, N. J.
Armstrong Paint & Varnish Works, Chicago, Ill. "Armello," "Armorite," "Armor-Seal," "Boss Painter," "Evry-Use," "Kilbourn," "Pawnee"
Atlantic Paint & Varnish Works, Wilmington, N. C.
Atlantic Varnish Works, Richmond, Va.
Babcock Varnish Co., Boston, Mass.
Baer Bros., 438 W. 37th, New York, N. Y. "Klondike"
Baker Paint & Varnish Co., 218 Suydam Av., Jersey City, N. J. "Eternolin"
Beaver Varnish Works, Portland, Ore.
Berry Bros., Detroit, Mich. "Berrycraft"
Bigelow Varnish Co., 132 Chestnut, Newark, N. J.
Billings-Chapin Co., Cleveland, O. "Flexo-Flint," "Rubeffect," "U. S. Marine"
Bissell Varnish Co., Bridgeport, Conn. "Crockett's"
Black Diamond Paint & Varnish Works, Cincinnati, O. "Watertite"
Blackburn Varnish Co., Cincinnati, O.
Blatz Co., Louisville, Ky.
Booden's (P.) Son, 243 N. 9th, B'klyn, N. Y.
Boston Varnish Co., Everett, Mass. "Kyanize"
Bowne Paint & Color Wks., Boston, Mass. "Modene"
Breinig Bros., 3rd & Grand, Hoboken, N. J. "Everdure"
Brooklyn Varnish Mfg. Co., 35 Nostrand Av., B'klyn, N. Y. "Kauri"
Brooks (Clarence) & Co., 249 Chestnut, Newark, N. J.
Buckeye Paint & Varnish Co., Toledo, O.
Burgess, Forbes & Co., Portland, Me.
Calbar Paint & Varnish Co., Phila., Pa.
Calman (Emil) & Co., 42-25 Vernon Blvd., Long Island City, N. Y.
Cambria Paint & Color Co., Johnstown, Pa.
Campbell Paint & Varnish Co., St. Louis, Mo.
Carpenter-Morton Co., Boston, Mass. "Carmote"
Central Paint & Varnish Works, 69 Prospect, B'klyn, N. Y. "Cashellac"
Chilton Paint Co., College Point, N. Y.
Colledge (E. J.) & Sons, Atlanta, Ga.
Columbus Varnish Co., Columbus, O.
Commonwealth Varnish Co., Chicago, Ill. "Fibroseal," "Leatherseal"
Con-Ferro Paint & Varnish Co., St. Louis, Mo.
Continental Products Co., Euclid, O.
Cook Paint & Varnish Co., Kansas City, Mo. "Red Circle"
Coyne Bros. Varnish Co., Phila., Pa.
Davis (H. B.) Co., Baltimore, Md.
Day (Jas. B.) & Co., Chicago, Ill.
De-Bar Co., 56 Delevan, B'klyn, N. Y. "De-Bar-Floor," "De-Bar-Lac," "De-Bar-Spar"
DeGolyer Varnish Works, Troy, N. Y. "Alluse," "Sil-Kat"
Detroit White Lead Wks., Detroit, Mich. "Rogers"
Devoe & Raynolds Co., 1 W. 47th, New York, N. Y.
Dixon (Jos. Crucible Co., Wayne & Monmouth, Jersey City, N. J.
DuPont (E. I.) de Nemours & Co., Phila., Pa. "Wonderlac"
Eagle Paint & Varnish Co., Pittsburgh, Pa.
Eagle Paint & Varnish Wks., Inc., 100 Lexington Av., B'klyn, N. Y.
Eberson-Lindsley Paint Co., St. Louis, Mo.
Elliott Varnish Co., Chicago, Ill.
Elmendorf Varnish Co., Chicago, Ill.
Empire Varnish Co., Cleveland, O.
Enterprise Mfg. Co., Dept H.A., Akron, O. (Fishing Rod)
Enterprise Paint Mfg. Co., Chicago, Ill.
Ernecke & Salmstein Co., Chicago, Ill.
Essex Varnish Co., 218 McWorter, Newark, N. J.
Federal Varnish Co., Chicago, Ill.
Felton-Sibley & Co., Inc., Phila., Pa.
Flint Paint & Varnish Corp., Flint, Mich.
Flood & Conklin Co., 132 Chestnut, Newark, N. J.
Floor-Shine Mfg. Co., St. Louis, Mo.
Forbes Varnish Co., Cleveland, O.
Foy Paint Co., Inc., Cincinnati (Norwood), O.
Fuller (W. P.) & Co., Inc., 301 Mission, San Francisco, Cal.
General Paint Corp., San Francisco, Cal.
Gilman Paint & Varnish Co., Chattanooga, Tenn.
Glidden Co., Cleveland, O. "Green Label," "Ripolin"
Globe Varnish Co., Pittsburgh, Pa.
Goheen Corp., 46 Albert, Newark, N. J. "Vita-Var"
Hilo Varnish Corp., 42 Stewart Av., B'klyn, N. Y.
Illinois Oil & Varnish Co., Chicago, Ill.
Impervious Varnish Co., Pittsburgh, Pa.
Indianapolis Varnish Co., Indianapolis, Ind.
Iron City Oil & Varnish Co., Pittsburgh, Pa.
Irvington Varnish & Insulator Co., Irvington, N. J.
Jamestown Paint & Varnish Co., Jamestown, Pa.
Jamestown Wood Finishing Co., Jamestown, N. Y.
Jewell Paint & Varnish Co., Chicago, Ill.
Johnson (S. C.) & Son, Racine, Wis. "Underlac"
Jones-Dabney Co., Louisville, Ky.
Keystone Varnish Co., 71 Otsego, B'klyn, N. Y.
Kuhn's Paint & Varnish Works, Houston, Tex.
Lansing Paint & Color Co., Lansing, Mich.
Lawrence-McFadden Co., Phila., Pa.
Lilly Varnish Co., Indianapolis, Ind.
Lion Varnish Mfg. Co., Seattle, Wash.
Louisville Paint Mfg. Co., Louisville, Ky.
Louisville Varnish Co., Louisville, Ky. 'Fixall'
Lowe Bros. Co., Dayton, O. "Neptunite"
Lucas (John) & Co., Phila., Pa.
McCloskey Varnish Co., Holmesburg (Phila.), Pa.
McDougall-Butler Co., Buffalo, N. Y.
McNamara (Michael) Varnish Works, Detroit, Mich.
Macneal (Jas. B.) & Co., Baltimore, Md.
Marietta Paint & Color Co., Marietta, O. "Maco"
Martin-Senour Co., Chicago, Ill.
Martin Varnish Co., Chicago, Ill.
Masury (John W.) & Son, 50 Jay, B'klyn, N. Y.
Mayer & Loewenstein, 43 Vernon Blvd., Long Island City, N. Y.
Midway Varnish Co., St. Paul, Minn.
Midwest Varnish Co., Chicago, Ill.
Missouri Paint & Varnish Co., St. Louis, Mo.
Moore (Benj.) & Co., 511 Canal, New York, N. Y.
Morgan Co., Peoria, Ill.
Mound City Paint & Color Co., St. Louis, Mo. "Horse Shoe"
Murphy Varnish Co., 224 McWorter, Newark, N. J. "Overnight," "Universal," "Utility," "Muronic"
Newark Varnish Works, 111 Delancey, Newark, N. J.
New England Oil, Paint & Varnish Co., Boston, Mass.
New Method Varnish Co., Elmira, N. Y.
Nice (Eugene E.) Co., Phila., Pa.
Norfolk Paint & Varnish Co., Norfolk Downs, Mass.
North Star Varnish Co., St. Paul, Minn.
Nubian Paint & Varnish Co., Chicago, Ill.
O'Brien (Frederick) Varnish Co., Los Angeles, Cal.
O'Brien Varnish Co., South Bend, Ind.
Ohio Varnish Co., Cleveland, O.
Parker (Chas. H.) Co., Valparaiso, Ind.
Parrott Varnish Co., Bridgeport, Conn. "46," "Par-Var"
Patterson-Sargent Co., Cleveland, O. "B.P.S.," "BV.S."
Peninsular Paint & Varnish Co., Detroit, Mich. "Colonial Floor," "Penspar," "VitRite"
Perry-Derrick Varnish Co., Cincinnati, O.
Perry Robinson Corp., 25 W. 45th, New York, N. Y. "Periseal Spar"
Phoenix Paint & Varnish Co., Phila., Pa.
Pioneer Mfg. Co., Cleveland, O. "Shino"
Pittsburgh Plate Glass Co., Milwaukee, Wis. "Manhattan," "Pitcairn"
Pittsburgh Utilities, Inc., 11 W. 42nd, New York, N. Y.
Pratt & Lambert, Inc., Buffalo, N. Y.
Price Varnish Co., St. Louis, Mo.
Quaker City Varnish Co., Boston, Mass.
Republic Varnish Co., 201 Thomas, Newark, N. J.
Ridgway-Quest Co., Chicago, Ill.
Robbins (A.) Varnish Co., St. Louis, Mo.
Rockford Varnish Co., Rockford, Ill.
Sapolin Co., 229 E. 42nd, New York, N. Y.
Sargent Gerke Co., Indianapolis, Ind.
Schenectady Varnish Co., Schenectady, N. Y.
Schrack (C.) & Co., Phila., Pa.
Seidlitz Varnish Co., Kansas City, Mo.
Shaw (Geo. H.) Co., Middleboro, Mass.
Sheffield Bronze Powder & Stencil Co., 5817 Kinsman Rd., Cleveland, O.
Sherwin-Williams Co., Cleveland, O.
Sillers Varnish Co., Los Angeles, Cal.
Smith (Edw.) & Co., 127 West Av., Long Island City, N. Y.
Southwestern Paint & Varnish Co., Kansas City, Mo.
Standard Plate Glass Co., Pittsburgh, Pa. (Architectural) "So-E-Zy"
Standard Varnish Wks., 386 4th Av., New York, N. Y. "Elastica," "Koverflor"
Stewart-Mowry Co., Chicago, Ill.
Sun Varnish Co., Louisville, Ky.
Thibaut & Walker Co., 9th & Verona Av., Long Island City, N. Y. "Ex-In-O-Lite"
Thresher Varnish Co., Dayton, O.
Tousey Varnish Co., Chicago, Ill.
Tower Varnish & Dryer Co., Dayton, O.
Towns Paint Co., Buffalo, N. Y.
Twin City Varnish Co., Minneapolis, Minn.
Valentine & Co., 386 4th Av., New York, N. Y. "Super Valspar," "Valspar"
Varcraft Wks., Pottstown, Pa.
Voltax Co., Bridgeport, Conn.
Walter (C. M.) Co., Dayton, O.
Wamblu Varnish Works, Rochester, N. Y.
Watrous Varnish Co., Phila., Pa.
Western Reserve Varnish Co., Cleveland, O.
Wetherhill (G. D.) & Co., Phila., Pa.
Wheeler Varnish Works, Chicago, Ill.
Wocher (Herman M.) & Son Co., Phila., Pa.
Wolf (Herman) & Co., Cincinnati, O.
Woolsey (C. A.) Paint & Color Co., 500 Grand, Jersey City, N. J.
Yarnill Paint Co., Phila., Pa.
Zinsser (Wm.) & Co., 516 W. 59th, New York, N. Y. "Bulls-Eye," "Red Z"

VARNISHES, Asphaltum—See Varnishes

VARNISHES, Floor

Berry Bros., Detroit, Mich.
Boston Varnish Co. (Everett), Boston, Mass. "Kyanize"
Con-Ferro Paint & Varnish Co., St. Louis, Mo.
Devoe & Raynolds Co., 1 W. 47th, New York, N. Y.
Dixon (Jos.) Crucible Co., Wayne & Monmouth, Jersey City, N. J.
Martin Varnish Co., Chicago, Ill.
Moore (E. B.) & Co., Chicago, Ill.
Murphy Varnish Co., 224 McWhorter, Newark, N. J.
O'Brien Varnish Co., South Bend, Ind.
Pusslee-Gaulbert Paint & Varnish Co., Inc., Louisville, Ky. "Pee Gee"
Pioneer Mfg. Co., Cleveland, O.
Pittsburgh Plate Glass Co., Milwaukee, Wis. "Pitcairn"
Pratt & Lambert, Inc., Buffalo, N. Y. "61"
Sapolin Co., 229 E. 42nd, New York, N. Y.
Standard Varnish Wks., 386 4th Av., New York, N. Y. "Elastica," "Koverflor"
Wetherhill (G. D.) & Co., Phila., Pa.

VARNISHES, Linoleum

Boston Varnish Co. (Everett), Boston, Mass. "Kyanize"
Carpenter-Morton Co., Boston, Mass. "Carmote"
Davies Products, Inc., St. Paul, Minn. "Dayduc"
Martin Varnish Co., Chicago, Ill.
Murphy Varnish Co., 224 McWhorter, Newark, N. J.
Pioneer Mfg. Co., Cleveland, O. "Shino"
Sisk (R. J.) Co., New London, Conn. "Lin-O-Gloss"

VARNISHES, Spar

Boston Varnish Co. (Everett), Boston, Mass.
Carpenter-Morton Co., Boston, Mass. "Carmote"
Con-Ferro Paint & Varnish Co., St. Louis, Mo.
Fuller (W. P.) & Co., San Francisco, Cal.
General Paint Corp., San Francisco, Cal.
Martin Varnish Co., Chicago, Ill.
Murphy Varnish Co., 224 McWhorter, Newark, N. J. "Kauroil"
Pittsburgh Plate Glass Co., Milwaukee, Wis. "Pitcairn"
Smith (Edw.) & Co., 127 West Av., Long Island City, N. Y.
Standard Varnish Wks., 386 4th Av., New York, N. Y. "Elastica,"
Steelcote Mfg. Co., St. Louis, Mo.
Wetherhill (G. D.) & Co., Phila., Pa.

VASES, Coal

Stratton & Terstegge Co., Inc., Mfg. Div., Louisville, Ky. "Falls City"

VASES, Lawn

Adams Co., Dubuque, Ia. (Cemetery)
Almo Trading & Importing Co., Inc., 61 E. 11th, New York, N. Y. (Flower, Indurated Fibre)
Badger Wire & Iron Wks., Milwaukee, Wis.
Bertels Metal Ware Co., Inc., Kingston, Pa. (Flowers)
Burley & Winter Pottery Co., Crooksville, O.
Cincinnati Iron Fence Co., Cincinnati, O.
Fiske (J. W.) Iron Wks., 78 Park Pl., New York, N. Y.
Ionia Pottery Co., Ionia, Mich.
Pittsburg Pottery Co., Pittsburg, Kan.
Powell Pressed Steel Co., Hubbard, O.
Reinhard & Shay, Lebanon, Pa.
Rochester Can Co., Rochester, N. Y. "Iron Horse"
Stewart Iron Wks. Co., Inc., 814 Stewart Block, Cincinnati, O.
Swett (A. L.) Iron Wks., Medina, N. Y.
United States Glass Co., Pittsburgh, Pa.
Wheeling Corrugating Co., Wheeling, W. Va.

VAULT DOORS—See Doors, Vault

VAULT VENTILATORS—See Ventilators, Vault

VAULTING POLES—See Poles, Vaulting

VEGETABLE BASKETS—See Baskets, Fruit, Vegetables, Etc.

VEGETABLE BINS—See Bins, Vegetable

VEGETABLE BOXES—See Boxes, Vegetable

VEGETABLE CHOPPERS—See Choppers, Meat and Food

VEGETABLE CORERS—See Corers, Fruit and Vegetable

VEGETABLE CUTTERS—See Cutters, Root and Vegetable; also Cutters, Bone; also Choppers, Meat and Food; also Slicers, Fruit and Vegetable

VEGETABLE FORKS—See Forks, Vegetable

VEGETABLE GRATERS—See Graters, Vegetable, Etc.

VEGETABLE PARERS—See Parers, Fruit and Vegetable

VEGETABLE PICKERS—See Pickers, Fruit, Etc.

VEGETABLE PRESSES—See Presses, Vegetable

VEGETABLE SCOOPS—See Scoops, Grain, Vegetable, Etc.

VEGETABLE SEED—See Seed, Garden and Flower

VEGETABLE SLICERS—See Slicers, Fruit and Vegetable

VEGETABLE SPOONS—See Spoons, Vegetable

VEGETABLE STAKES—See Stakes, Nursery and Garden

VEGETABLE STRAINERS—See Strainers, Fruit and Vegetable

VEGETABLE TWINE—See Twine, Vegetable

VEHICLE WASHERS—See Washers, Vehicle

VEHICLES, Children's—See article desired

VELOCIPEDES

American-National Co., Toledo, O. "Red Wing," "Sampson," "Triangletruss"
Automatic Cradle Mfg. Co., Stevens Point, Wis.
Brown (E. C.) Co., Rochester, N. Y. "Velo-King"
Colson Co., Elyria, O. "Brownie," "Fairy," "Rover"
Dayton Toy & Specialty Co., Dayton, O. "Son-ny"
Emblem Mfg. Co., Angola, N. Y. "Pierce"
Excelsior Cycle Co., Michigan City, Ind. "De Luxe"
Garton Toy Co., Sheboygan, Wis. "Badger"
Gem Crib & Cradle Co., Gardner, Mass.
Gendron Wheel Co., Toledo, O. "Pioneer"
Hedstrom-Union Co., Garner, Mass. "American," "Crown," "Reading"
Indian Motorcycle Co., Springfield, Mass.
Johnson's (Iver) Arms & Cycle Wks., Fitchburg, Mass. "Iver Johnson"
Keystone Lantern Co. (Tacony), Phila., Pa.
Kumfy-Kab Co., La Porte, Ind.
Metalcraft Corp., St. Louis, Mo.
Metal Specialties Mfg. Co., Chicago, Ill. "Speed-O-Byke"
Monarch Products Co., Tiffin, O.
Steinfeld, Inc., 11 E. 26th, New York, N. Y. Columbia," "Rambler"
Taylor (Frank F.) Co., Norwood, Cincinnati, O. "Easy Mount"
Thayer (H. N.) Co., Erie, Pa.
Toledo Metal Wheel Co., Toledo, O. "Blue Streak," "Super-Quality"
United Mfg. Co., Inc., Phila., Pa. "Mercury"
Westfield Mfg. Co., Westfield, Mass. "Boycycle," "Superb"
White (H. C.) Co., North Bennington, Vt. "Kiddie-Pedal-Kar"
Wilkinson Mfg. Co., Binghamton, N. Y.

VENTILATED TABLE MATS—See Mats, Table, Ventilated

VENTILATED TABLE PADS—See Mats, Table, Ventilated

VENTILATING SASH LOCKS—See Locks, Sash, Ventilating

VENTILATOR GRATES—See Grates, Ventilator

VENTILATORS and CUPOLAS, Barn

Anderson Mfg. Co., Des Moines, Ia. "Tip-Top"
Badger Corrugating Co., La Crosse, Wis.
Beatrice Steel Tank Mfg. Co., Beatrice, Neb. "Nu-Way Tip Top," "Tip Top"
Bernard (Phillip) Co., Sioux City, Ia.
Braden Mfg. Co., Terre Haute, Ind. "Star"
Clay Equipment Corp., Cedar Falls, Ia.
Columbian Steel Tank Co., Kansas City, Mo.
Drew Line Co., Fort Atkinson, Wis.
Franklin Equipment Co., Monticello, Ia.
Freeland Sons Co., Sturgis, Mich.
Freeland Steel Tank Co., Portage, Wis. "Star"
Gilbert (Walter B.) & Co., York, Pa. "Pullman"
Globe Ventilator Co., Troy, N. Y.
Glor Bros. & Willis Mfg. Co., Attica, N. Y. "Buckeye," "New Modern"
Hawkeye Pump Co., Fairfield, Ia.
Hudson (H. D.) Mfg. Co., Chicago, Ill. "Libbey"
Ideal Barn Equipment Co., Horicon, Wis.
James Mfg. Co., Fort Atkinson, Wis. "Jamesway"
Klauer Mfg. Co., Dubuque, Ia. "Perfect"
Libbey (C. A.) Co., Oshkosh, Wis.
Louden Mchy. Co., Fairfield, Ia.
Meyer (F.) & Bro. Co., Peoria, Ill. "Handy"
Milcor Steel Co., Milwaukee, Wis.
Mitchell Mfg. Co., Milwaukee, Wis.
Moyer Mfg. Co., Monteviedo, Minn.
Nebraska & Iowa Steel Tank Co., Omaha, Neb.
New McCurdy Mfg. Co., Ada, O.
Ney Mfg. Co., Canton, O. (Ventilators)
North Dakota Metal Culvert Co., Fargo, N. D. "Fargo," "Fargo Square"
Royal Ventilator Co., Phila., Pa.
St. Paul Corrugating Co., St. Paul, Minn. "Pruden System"
Shrauger & Johnson, Atlantic, Ia. "Chief"
Simplex Brooder Stove Co., Grand Rapids, Mich. "Vent-Rite"
Sioux Falls Metal Culvert Co., Sioux Falls, S. D. "South Dakota"
Starline, Inc., Harvard, Ill.
Western Steel & Iron Co., DePere, Wis.
Western Steel Products Co., Duluth, Minn.

VENTILATORS, Ceiling

American Sheet Metal Wks., New Orleans, La.
Gilbert (Walter B.) & Co., York, Pa.
Hart & Cooley Mfg. Co., Chicago, Ill.
ILG Electric Ventilating Co., Chicago, Ill.
Independent Register & Mfg. Co., Cleveland, O.
Jackson (Edwin A.) & Bro., 50 Beekman, New York, N. Y.
Lupton's (David) Sons Co., Phila., Pa.
Souther (E. E.) Iron Co., St. Louis, Mo.

VENTILATORS, Roof, Revolving

Connecticut Fan Co., Hartford, Conn.
Danzer Metal Wks., Hagerstown, Md.
Fenn Ventilator Co., Boston, Mass.
Fireproof Products Co., Inc., 536 E. 133rd, New York, N. Y.
Howes (S. M.) Co., Boston, Mass.
ILG Electric Ventilating Co., Chicago, Ill.
James Mfg. Co., Fort Atkinson, Wis. "Jamesway"
Klauer Mfg. Co., Dubuque, Ia. "Faultless"
Meyer (F.) & Bro. Co., Peoria, Ill. "Handy"
Milcor Steel Co., Milwaukee, Wis. "Alpina," "Kuehn's Korrect Kut-Offs," "Milcor Turbine," "Nu-Air"
Pekor Foundry Co., Columbus, Ga. (Cast Iron)
Royal Ventilator Co., Phila., Pa.
Simplex Brooder Stove Co., Grand Rapids, Mich. "Vent-Rite"
Standard Ventilator Co., Lewisburg, Pa.
Washburne (Edw. G.) & Co., 207 Fulton, New York, N. Y.
Wheeling Corrugating Co., Wheeling, W. Va.

VENTILATORS, Wall

Chattanooga Implement & Mfg. Co., Chattanooga, Tenn. "Royal"
Gilbert (A. C.) Co., New Haven, Conn. "Polar Cub"
Gilbert (Walter B.) & Co., York, Pa.
ILG Electric Ventilating Co., Chicago, Ill.
Independent Register & Mfg. Co., Cleveland, O.
Jackson (Edwin A.) & Bro., 50 Beekman, New York, N. Y.
Mueller (L. J.) Furnace Co., Milwaukee, Wis.
Northwest Metal Products, Inc., Seattle, Wash. "Norwesco"
Signal Electric Mfg. Co., Menominee, Mich. (Elec. Fan)
Swett (A. L.) Iron Wks., Medina, N. Y.
Western Steel Products Co., Duluth, Minn.

VENTILATORS, Window

Airmaster Corp., Chicago, Ill. (Electric Fan)
Allweather Ventilator Co., Inc., 452 Lexington Av., New York, N. Y. "Wurldbest"
American Blower Co., Detroit, Mich. "Sirocco"
Apex Mfg. Co., Inc., Syracuse, N. Y.
Arex Co., Chicago, Ill. "Arin"
Autovent Fan & Blower Co., Chicago, Ill. (Portable)
Beh & Co., 1140 B'way, New York, N. Y. "Liberty"
Bertels Metal Ware Co., Inc., Kingston, Pa.
Bohem Mfg. Co., Phila., Pa.
Continental Screen Co., Detroit, Mich. "Deflektair"
Delite Mfg. Co., Bryan, O. (Electric Fan)
Diehl Mfg. Co., Elizabethport, N. J. "Wind-O-Vent" (Electric Fan)
Draver Mfg. Co., Richmond, Ind.
Electrovent Corp., Detroit, Mich. (Electric Fan)
Everhard Mfg. Co., Canton, O. (Cloth) "Diamond-E"
Field's (Chas. J.) Sons, Phila., Pa.
Fitzgerald Mfg. Co., Torrington, Conn. "Star-Rite"
Gerdes, T. N., 105 Bank, New York, N. Y.
Gilbert (A. C.) Co., New Haven, Conn.
Gilbert (Walter B.) & Co., York, Pa. "Erie," "Pullman"
Gross (Wm. M.) Co., Sharon, Pa.
Ideal Ventilator Co., Providence, R. I.
ILG Electric Ventilating Co., Chicago, Ill. "Ilgair" (Electric Fan)
Kaiser (H. S.) Co., Chicago, Ill. "Kaiseraire" (Electric)
Knapp-Monarch Co., Belleville, Ill. "Monarch" (Electric)
Landers, Frary & Clark, New Britain, Conn. (Electric Fan)
Laub Products, Ashland, Pa.
Lawrence Bros., Sterling, Ill.
Master Electric Co., Dayton, O. "Master-Bilt" (Electric Fan)
Morse (L.) & Sons, Athol, Mass.
National Screen Co., Suffolk, Va.
Niagara Metal Weather Strip Co., Buffalo, N. Y. "Dr. Berry"
Peerless Electric Co., Warren, O. (Electric Fan)
Phenix Mfg. Co., Milwaukee, Wis.
Protective Ventilator & Screen Corp., 764 11th Av., New York, N. Y.
Protector Mfg. Co., Urbana, Ind.
Roll-A-Vent Co., 38 Depot, White Plains, N. Y. (Roller Type)
Schumacher (F. E.) Co., Hartsville, O. "Louver"
Signal Elec. Mfg. Co., Menominee, Mich. (Electric Fan)
Stover Mfg. & Engine Co., Freeport, Ill. (Electric Fan)
Sturdy Corp., Providence, R. I. "Prairie"
Tuttle & Bailey Mfg. Co., 70 Berry, B'klyn, N. Y.
United Electrical Mfg. Co., Adrian, Mich. (Electric Fan)
Van Noorden (E.) Co., Boston, Mass. "Windo-Luvire"
Victor Electric Products Co., Cincinnati, O. "Clean-Air"
Western Steel Products Co., Duluth, Minn.
West Wind Corp., Seattle, Wash. (Electric Fan)
Willis Mfg. Co., Inc., Galesburg, Ill.

VERMIN EXTERMINATORS—See Exterminators, Vermin

VERNIER CALIPERS—See Calipers, Vernier

VIBRATORS

Adbro Mfg. Co., Pittsburgh, Pa. "La Vida"
Allover Mfg. Co., Racine, Wis. "Vibroette"
Arnold Electric Co., Racine, Wis.
Barker Machine & Fdry. Co., Phila., Pa. "Universal"
Bleadon-Dun Co., Chicago, Ill. "Multifrex," "Violetta"
Drake Electric Wks., Chicago, Ill.
Eastern Laboratories, Inc., 223 E. 38th, New York, N. Y. (Violet Ray)
Electric Mfg. Co., Kansas City, Mo. "Po-Em-Co"
Electric Razor Corp., 40-09 21st, Long Island City, N. Y. "Vibro-Massage"
Fitzgerald Mfg. Co., Torrington, Conn. "Star-Rite"
Geier Co. (P. A.), Cleveland, O. "Royal"
Gilbert (A. C.) Co., New Haven, Conn. "Polar Cub"
Halliwell-Shelton Electric Corp., 100 6th Av., New York, N. Y. "De Luxe Wayne," "Gentry"
Hamilton Beach Mfg. Co., Racine, Wis.
Master Electric Co., Chicago, Ill.
National Stamping & Elec. Wks., Chicago, Ill. "White Cross"
Oster (John) Mfg. Co., Racine, Wis.
Racine Universal Motor Co., Racine, Wis. "Pep"
Renulife Electric Co., Detroit, Mich.
Wahl Clipper Corp., Sterling, Ill. "Hand-E"

VINE HOOKS—See Hooks, Vine

VINEGAR PUMPS—See Pumps, Vinegar

VISE and ANVIL, Combined—See Anvil and Vise, Combined

VISE, ANVIL and DRILL, Combined—See Anvil, Vise and Drill, Combined

VISE JAW MOLDS—See Molds, Hammer, Soft Metal

VISE STANDS—See Stands, Vise, Portable

VISES, Bench—See Vises, Machinists'

VISES, Bench, Wooden

Bliss (R.) Mfg. Co., Pawtucket, R. I.

VISES, Blacksmiths'

Boker (H.) & Co., 101 Duane, New York, N. Y. "Star"
Champion Blower & Forge Co., Lancaster, Pa.
Columbian Vise & Mfg. Co., Cleveland, O.
Columbus Forge & Iron Co., Columbus, O.
Fisher & Norris, Trenton, N. J.
International Nutyp Tool Corp., Oswego, N. Y.
Iron City Tool Wks., Pittsburgh, Pa.
New London Vise Wks., New London, Conn.
Prentiss Vise Co., Little Falls, N. Y. "Bull Dog"

VISES, Carpenters'—See Vises, Woodworkers'

VISES, Chain Pipe

American Pipe Tool Co., Chicago, Ill.
Armstrong Bros. Tool Co., 300 N. Francisco Av., Chicago, Ill.
Armstrong Mfg. Co., Bridgeport, Conn.
Erie Tool Wks., Erie, Pa.
Holland Mfg. Co., Erie, Pa.
Nye Tool & Mach. Wks., Chicago, Ill.
Ridge Tool Co., Elyria, O. "Ridgid"
Trimont Mfg. Co., (Roxbury), Boston, Mass.
William (J. H.) & Co., Buffalo, N. Y. "Vulcan"
Yost Mfg. Co., Meadville, Pa.

VISES, Coach Makers'—See Vises, Woodworkers'

VISES, Combination, Pipe and Bench

Armstrong Bros. Tool Co., 300 N. Francisco Av., Chicago, Ill.
Champion Blower & Forge Co., Lancaster, Pa.
Columbian Vise & Mfg. Co., Cleveland, O.
Hardware Specialty Mfg. Co., Temple, Pa. "Hardy"
Hollands Mfg. Co., Erie, Pa. "Keystone"
International Nutyp Tool Corp., Oswego, N. Y. "NuTYP," "Ontario," "Oswego"
Nye Tool & Mach. Wks., Chicago, Ill.
Phoenix Hdw. Mfg. Co., Buffalo, N. Y.
Prentiss Vise Co., Little Falls, N. Y. "Blake"
Reed Mfg. Co., Erie, Pa.
Rock Island Mfg. Co., Rock Island, Ill.

VISES, Garage & Household

Champion Blower & Forge Co., Lancaster, Pa.
Columbian Vise & Mfg. Co., Cleveland, O.
Cream City Tool & Mfg. Co., Milwaukee, Wis. "Universal"
Erie Tool Wks., Erie, Pa. "Empire"
Hardware Specialty Mfg. Co., Temple, Pa. "Hardy"
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
North Bros. Mfg. Co., Phila., Pa. "Yankee"
Prentiss Vise Co., Little Falls, N. Y. "Shepard"
Rock Island Mfg. Co., Rock Island, Ill.
Stanley Wks., New Britain, Conn.

VISES, Hand

Athol Mach. & Fdry. Co., Athol, Mass.
Bonney Forge & Tool Wks., Allentown, Pa.
Boker (H.) & Co., 101 Duane, New York, N. Y. "Star"
Bullock Mfg. Associates, Div. of Parker Wire Goods Co., Worcester, Mass.
Dallett (Thos. H.) Co., Phila., Pa.
Dikeman Mfg. Co., Norwalk, Conn.
Erie Tool Wks., Erie, Pa. "Empire"
Grey Iron Casting Co., Mt. Joy, Pa.
Illinois Iron & Bolt Co., Carpentersville, Ill.
Kilborn & Bishop Co., New Haven, Conn. "Green Line," "K. & B."
Lowell Wrench Co., Worcester, Mass.
Luther Grinder & Tool Co., Milwaukee, Wis.
Malleable Iron Fittings Co., 10 Nichols, Branford, Conn. "M. I. F. Co."
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Modern Grinder Mfg. Co., Milwaukee, Wis.
Phoenix Hdw. Mfg. Co., Buffalo, N. Y.
Robinson (M. W.) Co., 296 B'way, New York, N. Y. "Rollis"
Sandvik Saw & Tool Corp., Minneapolis, Minn. "Bergs" (Imported)
Starrett (L. S.) Co., Athol, Mass.
Wrightsville Hdw. Co., Wrightsville, Pa.
Yost Mfg. Co., Meadville, Pa.

VISES, Hinged

Armstrong Bros. Tool Co., Chicago, Ill.
Armstrong Mfg. Co., Bridgeport, Conn.
Columbian Vise & Mfg. Co., Cleveland, O.
International Nutyp Tool Corp., Oswego, N. Y.

VISES, Household—See Vises, Garage and Household

VISES, Jewelers'

Lowell Wrench Co., Worcester, Mass.
Phoenix Hdw. Mfg. Co., Buffalo, N. Y.
Prentiss Vise Co., Little Falls, N. Y.
Stanley Wks., New Britain, Conn.

VISES, Machinists'

American Chain Co., Inc., Bridgeport, Conn.
Athol Mach. & Fdry. Co., Athol, Mass. "Athol-Starrett"
Barbour-Stockwell Co., Cambridge, Mass.
Boker (H.) & Co., 101 Duane, New York, N. Y. "Star"
Bonney Forge & Tool Wks., Allentown, Pa. "Ajax," "Champion," "Hercules"
Bridgeport Eng'g. Co., Bridgeport, Conn.
Champion Blower & Forge Co., Lancaster, Pa.
Columbian Vise & Mfg. Co., Cleveland, O.
Cream City Tool & Mfg. Co., Milwaukee, Wis. "Universal"
Emmert Mfg. Co., Waynesboro, Pa.
Ennis Mfg. Co., Reading, Pa.
Erie Tool Wks., Erie, Pa.
Fisher & Norris, Trenton, N. J.
Fountain Equipment & Mfg. Co., Cincinnati, O. "New Way"
Franklin Tool Co., Buffalo, N. Y.
General Grinder Corp., Milwaukee, Wis. "Giant Grip"
Germanow-Simon Mach. Wks., Rochester, N. Y. "G-S"
Hardware Specialty Mfg. Co., Temple, Pa. "Hardy"
Holland Mfg. Co., Erie, Pa.
Howard Iron Wks., Buffalo, N. Y.
International Nutyp Tool Corp., Oswego, N. Y. "NuTYP," "Oswego," "Velox"
Jarecki Mfg. Co., Erie, Pa.
Luther Grinder & Tool Co., Milwaukee, Wis.
Midland Co., South Milwaukee, Wis.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
National Metal Products Co., Indianapolis, Ind.
New Britain Mach. Co., New Britain, Conn.
North Bros. Mfg. Co., Phila., Pa. "Yankee"
Parker (Chas.) Co., Meriden, Conn.
Phoenix Hdw. Mfg. Co., Buffalo, N. Y.
Prentiss Vise Co., Little Falls, N. Y. "Bull Dog," "Monarch," "Rapid Transit"
Reed Mfg. Co., Erie, Pa.
Ridge Tool Co., Elyria, O. "Ridgid"
Royersford Fdry. & Mach. Co., Royersford, Pa.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Sargent & Co., New Haven, Conn.
Sheldon, E. H., & Co., Muskegon, Mich.
Skinner Chuck Co., New Britain, Conn.
Stanley Wks., New Britain, Conn. "Victor"
Stearns (E. C.) & Co., Syracuse, N. Y. "Stearns Ecsco"
Union Tool Co., Orange, Mass.
Walker-Turner Co., Inc., Plainfield, N. J.
Ware, J. L., Minneapolis, Minn.
Western Tool & Mfg. Co., Springfield, O.
Yost Mfg. Co., Meadville, Pa.

VISES, Manual Training

Bemis (A. L.), Worcester, Mass.
Canedy-Otto Mfg. Co., Chicago Heights, Ill.
Columbian Vise & Mfg. Co., Cleveland, O.
Emmert Mfg. Co., Waynesboro, Pa. "Eureka"
Fountain Equipment & Mfg. Co., Cincinnati, O. "New Way"
Morgan Vise Co., Chicago, Ill.
Rock Island Mfg. Co., Rock Island, Ill.
Yost Mfg. Co., Meadville, Pa.

VISES, Pattern Makers'—See Vises, Woodworkers'

VISES, Pipe

American Chain Co., Inc., Bridgeport, Conn.
American Pipe Tool Co., Chicago, Ill.
Armstrong Bros. Tool Co., 300 N. Francisco Av., Chicago, Ill.
Armstrong Mfg. Co., Bridgeport, Conn.
Athol Mach. & Fdry. Co., Athol, Mass.
Bonney Forge & Tool Works, Allentown, Pa.
Columbian Vise & Mfg. Co., Cleveland, O.
Dikeman Mfg. Co., Norwalk, Conn.
Erie Tool Wks., Erie, Pa.
Fisher & Norris, Trenton, N. J.
Greenfield Tap & Die Corp., Greenfield, Mass. "G. T. D"
Hollands Mfg. Co., Erie, Pa. "Keystone"
International Nutyp Tool Corp., Oswego, N. Y. "Oswego"
Luther Grinder & Tool Co., Milwaukee, Wis.
Mark Mfg. Co., Chicago, Ill.
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O.
Orange Mach. & Mfg. Co., Orange, N. J. "Ideal"
Parker (Chas) Co., Meriden, Conn.
Phoenix Hdw. Mfg. Co., Buffalo, N. Y.
Prentiss Vise Co., Little Falls, N. Y. "Blake," "Magic," "Monarch," "Shepard"
Reed Mfg. Co., Erie, Pa.
Ridge Tool Co., Elyria, O. "Ridgid"
Rock Island Mfg. Co., Rock Island, Ill.
Saunders (D.) Sons, Yonkers, N. Y.
Toledo Pipe Threading Mach. Co., Toledo, O.
Trimont Mfg. Co., Inc., Roxbury, (Boston), Mass. "Trimo"
Walworth Co., Boston, Mass. "Klingfast"
Williams (J. H.) & Co., Buffalo, N. Y.
Yost Mfg. Co., Meadville, Pa.

VISES, Saw Filing

American Chain Co., Inc., Bridgeport, Conn.
Atkins (E. C.) Co., Indianapolis, Ind.
Bonney Forge & Tool Wks., Allentown, Pa.
Buckeye Mfg. & Foundry Co., Cleveland, O.
Cincinnati Tool Co., Montgomery Rd., Cincinnati, O.
Clipper Tool Co., Buffalo, N. Y.
Dikeman Mfg. Co., Norwalk, Conn.
Disston (Henry) & Sons, Inc., (Tacony), Phila., Pa.
Edge (Frank) & Co., Grand Rapids, Mich.
Franklin Tool Co., Buffalo, N. Y.
Huther Bros. Saw Mfg. Co., Rochester, N. Y.
Manco Mfg. Co., Bradley, Ill.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
New Britain Mach. Co., New Britain, Conn.
Phoenix Hdw. Mfg. Co., Buffalo, N. Y.
Rock Island Mfg. Co., Rock Island, Ill.
Sargent & Co., New Haven, Conn.
Simonds Saw & Steel Co, Fitchburg, Mass.
Stearns (E. C.) & Co., Syracuse, N. Y. "Stearns Ecsco"
Stover Mfg. & Engine Co., Freeport, Ill.
Venus Specialties Co., 1715 8th Av., B'klyn, N. Y.

VISES, Swivel Base

Champion Blower & Forge Co., Lancaster, Pa.
Columbian Vise & Mfg. Co., Cleveland, O.
Cream City Tool & Mfg. Co., Milwaukee, Wis. "Universal"
Hardware Specialty Mfg. Co., Temple, Pa. "Hardy"
International Nutyp Tool Corp., Oswego, N. Y. "Oswego"
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
North Bros. Mfg. Co., Phila., Pa. "Yankee"
Parker (Chas.) Co., Meriden, Conn.
Prentiss Vise Co., Little Falls, N. Y.
Stanley Wks., New Britain, Conn.

VISES, Woodworkers'

American Chain Co., Inc., Bridgeport, Conn.
Abegg & Reinhold Co., Los Angeles, Cal. "Varco"
Athol Mach. & Fdry. Co., Athol, Mass. "Athol-Starrett"
Boller (Peter) Machine Wks., Chicago, Ill. "The Carpenter"
Champion Blower & Forge Co., Lancaster, Pa.
Champion Hdw. Co., Geneva, O.
Christiansen, C., Chicago, Ill. "Abernathy"
Columbian Vise & Mfg. Co., Cleveland, O.
Fisher & Norris, Trenton, N. J.
Fountain Equipment & Mfg. Co., Cincinnati, O. "New Way"
General Mach. Wks., York, Pa.
Greenless Tool Co., Rockford, Ill.
Hollands Mfg. Co., Erie, Pa.
Illinois Iron & Bolt Co., Carpentersville, Ill.
International Nutyp Tool Corp., Oswego, N. Y.
Mann Corp., Chicago, Ill. "Manco"
Massey Vise Co., Chicago, Ill.
Morgan Vise Co., Chicago, Ill.
New London Vise Wks., New London, Conn. "Hyde's"
Oliver Machinery Co., Grand Rapids, Mich.
O'Neil (J. H.) Jr., Pawtucket, R. I.
Parker (Chas.) Co., Meriden, Conn.
Prentiss Vise Co., Little Falls, N. Y. "Bull Dog," "Monarch," "Shephard"
Richards-Wilcox Mfg. Co., Aurora, Ill.
Rock Island Mfg. Co., Rock Island, Ill.
Stanley Wks., New Britain, Conn.
Toles (W. C.) Co., Chicago, Ill.
Wyman-Gordon Co., Worcester, Mass.
Yost Mfg. Co., Meadville, Pa.

VISORS, Sport

Advance Goggle Co., Chicago, Ill.
Soboroff-Rosenwald Co., Chicago, Ill.
Southern Saddlery Co., Chattanooga, Tenn.
Wilson Western Sporting Goods Co., Chicago, Ill.

VISORS, TENNIS—See Visors, Sport

VOLLEY BALL BLADDERS—See Bladders, Foot Ball, Etc.

VOLLEY BALL NETS—See Nets, Volley Ball

VOLLEY BALL PUMPS—See Pumps, Foot Ball, Etc.

VOLLEY BALLS—See Balls, Volley

VOLTMETERS, Battery—See Gages, Battery

VULCANIZERS, Tire, Portable

Adams-Barre Co., Columbus, O.
Adamson Mfg. Co., East Palestine, O.
Champion, Frank M., Utica, N. Y.
Chase Mfg. Co., St. Louis, Mo. "Gee-Bee"
Miller, Chas. E., Anderson Rubber Wks., Anderson, Ind.
Milwaukee Auto Specialty Mfg. Co., Milwaukee, Wis. "Radio"
National Rubber & Specialties Co., Cincinnati, O. "Vulcar"
Peckstein Iron Works, Keokuk, Ia. "P. I. W."
Pollak (Jos.) Tool & Stamping Co., Boston, Mass.
Premier Electric Co., Chicago, Ill. "Its-It"
Risk's Riskless Vulcanizer Co., Minneapolis, Minn.
Safety Vulcanizer Mfg. Co., Waupun, Wis.
Shaler Co., Waupun, Wis. "5-Minute," "Vul-Kit"
Super-Vulcanizer Mfg. Co., Salt Lake City, Utah.

WADERS, Fishermen's

Hodgman Rubber Co., Framingham, Mass. "Zephyweight"
Hood Rubber Products Co., Inc., Watertown, Mass.
Metropolitan Camp Goods Co., Inc., Athol, Mass.
Mills (Wm.) & Son, 21 Park Pl., New York, N.Y.
Outing Footwear Co., Minneapolis, Minn.
Servus Rubber Co., Rockford, Ill.

WADING POOLS—See Pools, Wading

WAFFLE IRONS—See Irons, Waffle

WAGON BOX STAPLES—See Staples, Wagon Box

WAGON CLEVISES—See Clevises, Wagon

WAGON CLIPS—See Clips, Axle, Carriage and Wagon

WAGON COVERS—See Covers, Wagon

WAGON DOUBLETREES—See Singletrees and Doubletrees, Plow and Wagon

WAGON DUMP ENDGATES—See Endgates, Wagon Dump

WAGON HARDWARE—See Carriage and Wagon Hardware

WAGON LANTERNS—See Lanterns, Wagon

WAGON SINGLETREES—See Singletrees and Doubletrees, Plow and Wagon

WAGON SKEINS—See Carriage and Wagon Hardware

WAGON AND SLED GUARDS—See Guards, Sled and Wagon

WAGON SPOKES—See Spokes, Wagon

WAGON UMBRELLAS—See Umbrellas, Beach, Lawn, Wagon, Etc.

WAGON WHEELS—See Wheels, Wagon

WAGON WRENCHES—See Wrenches, Carriage and Wagon

WAGONS, Coaster

(See also Wagons, Express, Children's)

American-National Co., Toledo, O. "Silent"
Automatic Cradle Mfg. Co., Stevens Point, Wis.
Auto-Wheel Coaster Co., Inc., North Tonawanda, N. Y. "Lucky Boy," "Red Racer"
Benner Mfg. Co., Lancaster, Pa.
Davis Wood Products Co., Boston, Mass. "Red Rover"
Dayton Toy & Specialty Co., Dayton, O. "Son-ny"
Delker (George) Co., Henderson, Ky. "Delko-Coaster," "Delko-Dumper," "Wag-O-Coaster"
Drees (Con F.) Mfg. Co., Covington, O.
Fairbanks, Morse & Co., Chicago, Ill. "Sheffield"
Garton Toy Co., Sheboygan, Wis. "Badger," "Dreadnaught"
Gem Crib & Cradle Co., Gardner, Mass.
Gendron Wheel Co., Toledo, O. "Bull Dog"
Gibbs Mfg. Co., Canton, O.
Globe Co., Sheboygan, Wis. "Baby Ruth," "Rocket," "Pacific Flyer"
Hance Mfg. Co., Westerville, O. "Gocycle"
Heider Mfg. Co., Carroll, Ia.
Herschel (R.) Mfg. Co., Peoria, Ill.
Janesville Products Co., Janesville, Wis. "Pathfinder," "Sturdy Twist"
Keen Corp., Seattle, Wash. "Keen Auto," "Western Racer"
Kokomo Specialties Mfg. Co., Kokomo, Ind.
Larimer Co., Aurora, Ill. "Little Jim Speeder"
Lullabye Furniture Corp., Stevens Pt., Wis. "Golden Arrow"
Maryland Toy Co., 1st & Dillon, Baltimore, Md.
Mengel Co., 1900 N. Market, St. Louis, Mo. "Chummy," "Twoster"
Monarch Products Co., Tiffin, O.
Murray-Ohio Mfg. Co., Cleveland, O. "Steelcraft"
Noblitt-Sparks Industries, Inc., Indianapolis, Ind. "Dan Patch," "Play Boy"
North-Western Stamping Co., Burlington, Ia. "Beat-em Coaster"
Paris Mfg. Co., South Paris, Me.
Pressed Metal Products Co., Cleveland, O. "Little Giant"
Puffer-Hubbard Mfg. Co., Minneapolis, Minn. "Town and Country"
Radio Steel & Mfg. Co., Chicago, Ill. "Red Flyer"
Rockaway Mfg. Co., Cincinnati, O.
Rolls Royal Toys, Inc., Valparaiso, Ind. "Rolls Racer"
Royal Mfg. Co., Toledo, O. "Red Bird"
Sheboygan Coaster & Wagon Wks., Sheboygan, Wis. "Boys Pal," "De Luxe," "Motor Wheel Products," "Unique"
Smith (S. A.) Mfg. Co., Brattleboro, Vt.
South Bend Toy Mfg. Co., South Bend, Ind. "Standard"
Standard Novelty Works, Duncannon, Pa.
Standard Safety Corp., Los Angeles, Cal. "Bilda Coaster," "Springo"
Starline, Inc., Harvard, Ill. "Cannon Ball," "Overland"
Steel Stamping Co., Lorain, O.
Sun Specialty Co., Rockford, Ill.
Taylor (Frank F.) Co., Norwood, Cincinnati, O. "Taylor-Tot," "Taylor-Wag"
Toledo Metal Wheel Co., Toledo, O. "Blue Streak," "Champion," "Favorite," "Fire Fly," "Mile-A-Minute," "Pirate," "Speed King," "Speed Wagon," "Trojan," "Viking," "Whippet"
Wagner Mfg. Co., Cedar Falls, Ia.
Westfield Mfg. Co., Westfield, Mass. "Columbia"
White (H. C.) Co., North Bennington, Vt. "Kiddie-Kars," "Kiddie-Koaster," "Kiddie-Road-Ripper"
White Coaster Wagon Wks., Sheboygan Falls, Wis. "Big Four," "Coaster Express," "Kiddo," "Our Bob," "Pony," "Portland Special," "Racer," "Teddy"
Wilder Mfg. Co., St. Louis, Mo.

WAGONS, Express, Children's

(See also Wagons, Coaster)

American-National Co., Toledo, O.
Ames-Van Aken Mfg. Co., Rome, N. Y. "Roller Express"
Automatic Cradle Mfg. Co., Stevens Point, Wis.
Auto-Wheel Coaster Co., Inc., North Tonawanda, N. Y.
Davis Wood Products Co., Boston, Mass. "Red Rover"
Drees (Con F.) Mfg. Co., Covington, O.
Garton Toy Co., Sheboygan, Wis. (Steel)
Gendron Wheel Co., Toledo, O. "Pioneer"
Gibbs Mfg. Co., Canton, O.
Green Case, Inc., Racine, Wis.
Hunt, Helm, Ferris & Co., Harvard, Ill.
Maryland Toy Co., 1st & Dillon, Baltimore, Md.
Monarch Products Co., Tiffin, O.
North Western Stamping Co., Burlington, Ia.
Premax Products, Inc., Niagara Falls, N. Y.
Sheboygan Coaster & Wagon Wks., Sheboygan, Wis. "Boys Pal," "Motor Wheel Products"
South Bend Toy Mfg. Co., South Bend, Ind.
Standard Safety Corp., Los Angeles, Cal. "Springo"
Steel Stamping Co., Lorain, O.
Toledo Metal Wheel Co., Toledo, O. "Blue Streak"
Western New York Toy Co., Jamestown, N. Y.
White (H. C.) Co., North Bennington, Vt. "Kiddie-Kart"
White Coaster Wagon Wks., Sheboygan Falls, Wis.
Wilder Mfg. Co., St. Louis, Mo.

WAGONS, Farm

Bernard (A. M.) Wagon Wks., Inc., New Iberia, La.
Empire Mfg. Co., Quincy, Ill.
Grain King Mfg. Co., St. Paul, Minn.
Havana Metal Wheel Co., Havana, Ill.
International Harvester Co. of America, Chicago, Ill. "McCormick-Deering Columbus," "McCormick-Deering Weber," "Sterling" (One and two horse)
Kentucky Wagon Mfg. Co., Louisville, Ky.
Knapheide (Henry) Wagon Co., Quincy, Ill.
Massey-Harris Co., Racine, Wis. "Pekin Standard"
Sargent, Osgood & Roundy, Randolph, Vt. "Little Gem"
Sheboygan Coaster & Wagon Wks., Sheboygan, Wis. "Boys Pal," "Motor Wheel Products"
Turney (Joel) & Co., Fairfield, Ia.

WAITERS, Dumb—See Dumb-Waiter

WALK SCRAPERS—See Cleaners, Sidewalk

WALKERS, Baby

American-National Co., Toledo, O.
Auto-Wheel Coaster Co., Inc., No. Tonawanda, N. Y. (Auto)
Benner Mfg. Co., Lancaster, Pa.
Gem Mfg. Co., Bascom, O.
Gendron Wheel Co., Toledo, O. "Pioneer"
Heumann Armand, San Francisco, Cal.
Johnson's (Iver) Arms & Cycle Wks., Fitchburg, Mass.
Monarch Products Co., Tiffin, O.
Perfection Mfg. Co., St. Louis, Mo. "Rock-a-Bye"
Porter Steel Specialties, Inc., Shelbyville, Ind.
Rockaway Mfg. Co., Cincinnati, O. "Safety-Walker"
Sheboygan Coaster & Wagon Wks., Sheboygan, Wis.
Taylor (Frank F.) Co., Norwood, Cincinnati, O. "Taylor Tot"
Toledo Metal Wheel Co., Toledo, O. "Blue Streak"
Tothill, W. S., Chicago, Ill.
White (H. C.) Co., No. Bennington, Vt. "Kiddie Tender"

WALKING DOLLS—See Dolls, Walking

WALL ANCHORS—See Anchors, Stone, Wall and Joist Wall

WALL BOARD NAILS—See Nails, Wall Board

WALL BOARDS—See Boards, Wall

WALL BRACKETS—See Brackets, Wall

WALL CASE PULLEYS—See Pulleys, Wall Case

WALL CHISELS—See Chisels, Brick and Wall

WALL COVERING—See Covering, Wall

WALL ELEVATORS—See Dumb-Waiters

WALL LANTERNS—See Lanterns, Wall

WALL PAINTS—See Paints, Wall

WALL PAPER—See Paper, Wall

WALL PAPER CLEANERS—See Cleaners, Wall Paper

WALL PAPER REMOVERS—See Removers, Wall Paper

WALL PRIMERS—See Primers, Wall

WALL REGISTERS—See Registers, Hot Air

WALL SCRAPERS—See Scrapers, Wall

WALL SCREW PLUGS—See Anchors, Screw

WALL SIZE—See Size, Wall

WALL VENTILATORS—See Ventilators, Wall

WALLS, Metal—See Ceilings, Metal

WANTAGE RODS—See Rods, Barrel and Wantage

WARDROBE LOCKS—See Locks, Desk and Drawer

WARDROBES—See Lockers, Steel

WARE, Agate—See Ware, Enameled

WARE, Aluminum

(See also article desired)

Aluminum & Metal Products Corp., Buffalo, N. Y. "Magic"
Aluminum Co. of America, Pittsburgh, Pa.
Aluminum Cooking Utensil Co., New Kensington, Pa. "Wear-Ever"
Aluminum Goods Mfg. Co., Manitowoc, Wis. "Mirro," "Viko"
Aluminum Products Co., La Grange, Ill. "Lifetime," "Princess"
Aluminum Specialty Co., Manitowoc, Wis.
American Aluminum Mfg. Co., Lemont, Ill. "American Maid"
American Aluminum Ware Co., 374 Jelliff Av., Newark, N. J. "Peerless"
Bremer Aluminum Corp., Chicago, Ill. "Dr. Koch" (Waterless Cooker) also (Three Pot Comb.)
Buckeye Aluminum Co., Wooster, O. "Aluminex," "Real Solid"
Doylestown Aluminum Ware Co., Doylestown, O.
Eastern Aluminum Co., Boston, Mass. "Signet"
Enterprise Aluminum Co., Massillon, O. "Century," "Paramount"
Fargo Aluminum Co., Taunton, Mass. "Imperial"
Fletcher Enamel Co., Charleston, W. Va.
Griswold Mfg. Co., Erie, Pa.
Health-Maid, Inc., Cleveland, O.
Illinois Pure Aluminum Co., Lemont, Ill. "American Maid"
Kewaskum Aluminum Co., Kewaskum, Wis.
Landers, Frary & Clark, New Britain, Conn. "Universal"
Leyse Aluminum Co., Kewanunee, Wis. "Priscilla"
Massillon Aluminum Co., Massillon, O. "Betty Bright"
Metal Goods Corp., St. Louis, Mo.
Monarch Aluminum Ware Co., Cleveland, O. "Heath Maid" (Stainless)
National Aluminum Mfg. Co., Peoria, Ill.
Penn Metal Ware Co., Parsons, Pa. "Aluminum"
Polar Ware Co., Lake Shore Rd., Sheboygan, Wis.
Puritan Mfg. Corp., Kansas City, Mo. "Aristocrat" (Stainless)
Reynolds Aluminum Co., New Washington, O. "Roco"
Savory, Inc., 591 Ferry, Newark, N. J.
Sterling Aluminum Co., Erie, Pa.
Stewart Die Casting Corp., Div. of Stewart-Warner Corp., Chicago, Ill. "Stewart Silver White" (Stainless)
Swartzbaugh Mfg. Co., Toledo, O. "Ideal"
Wagner Mfg. Co., Sidney, O.

WARE, Aluminum (Continued)

Washburn Company, Worcester, Mass.
West Bend Aluminum Co., West Bend, Wis. "Perco Pot," "Waterless"
Western Metal Spinning Wks., Chicago, Ill.
Wheeling Corrugating Corp., Wheeling, W. Va.
White Beauty Electric Co., Chicago, Ill.

WARE, China

Alliance Vitrified China Co., Alliance, O. "Avco" (Hotel & Restaurant, Vitrified)
American Chinaware Corp., Sebring, O.
Bonita Glass Corp., Huntington, W. Va.
Brush Pottery Co., Zanesville, O. "Mitusa"
Continental Pottery Co., Inc., Perrysville, O. (Plumbers', Vitreous)
Crooksville China Co., Crooksville, O.
East Liverpool Potteries Co., East Liverpool, O.
Hall China Co., East Liverpool, O. (Vitrified)
Harker Pottery Co., East Liverpool, O. "Hotoven"
Leigh Potters, Inc., Alliance, O.
Limoges China Co., Sebring, O. "Puritan"
Mayer China Co., Beaver Falls, Pa. (Hotel, Vitrified)
Salem China Co., Salem, O. "Briar Rose," "Heirloom from Salem," "Mystic Dawn"
Steubenville Pottery Co., Steubenville, O.
Thompson (C. C.) Pottery Co., East Liverpool, O.
Trenle China Co., East Liverpool, O.
Trenton Potteries Co., Trenton, N. J. (Vitreous)
Warwick China Co., Wheeling, W. Va. (Hotel, Vitrified)
Wellsville China Co., Wellsville, O.
Wyllie (H. R.) China Co., Huntington, W. Va. "Jade," "Old Spanish," "Sun Glo"

WARE, Chrome, Nickel and Alloy

Lalance & Grosjean Mfg. Co., Woodhaven, L. I., N. Y. "Crusader Ware"
Polar Ware Co., Sheboygan, Ill.

WARE, Composition

Beetle Ware Corp., 535 Fifth Av., New York, N. Y.
Insulation Mfg. Co., 11 New York Av., B'klyn, N. Y. "Starkware"
Norton Laboratories & Mfg. Co., Lockport, N. Y.
Watertown Mfg. Co., Watertown, Conn.

WARE, Copper

Atlantic Stamping Co., Rochester, N. Y.
Burton (W. J.) Co., Detroit, Mich.
Federal Enameling & Stamping Co., McKees Rocks, Pa.
Kreamer, A., 307 Kent Av., B'klyn, N. Y.
Lalance & Grosjean Mfg. Co., Woodhaven, L. I., N. Y.
Lisk Mfg. Co., Ltd., Canandaigua, N. Y.
Manning, Bowman & Co., Meriden, Conn.
Metal Ware Corp., Two Rivers, Wis. "Pilgrim Ware"
Picking (D.) & Co., Bucyrus, O.
Ray (Geo. A.) Mfg. Co., Buffalo, N. Y.
Revere Brass & Copper Co., 230 Park Av., New York, N. Y.
Richardson (M. A.) Inc., Chicago, Ill.
Rochester Stamping Co., Rochester, N. Y.
Sterling Aluminum Co., Erie, Pa.
Western Metal Spinning Wks., Chicago, Ill.

WARE, Enameled

(See also article desired)

Baltimore Stamping & Enameling Co., Baltimore, Md. "Oriole"
Bellaire Enamel Co., Bellaire, O. "Beco," "Duro"
Belmont Stamping & Enameling Co., New Philadelphia, O.
Canton Stamping & Enameling Co., Canton, O. "French"
Columbian Enameling & Stamping Co., Terre Haute, Ind. "Cesco," "Hoosier Gray," "Onyx," "Porcelite," "Sanitrox," "White Rock"
Federal Enameling & Stamping Co., McKees Rocks, Pa. "Federalware," "Green Beauty," "Iron City," "Kolorware," "Old Colonial," "Old Holland"
Fletcher Enamel Co., Charleston, W. Va.
Geuder, Paeschke & Frey Co., Milwaukee, Wis. "Cream City"
Lisk Mfg. Co., Ltd., Canandaigua, N. Y.
Marietta Holloware & Enameling Co., Marietta, Pa.
Moore Enamel & Mfg. Co., West Lafayette, O.
National Enameling & Stamping Co., Milwaukee, Wis. "Blue Ribbon," "Nesco," "Royal"
Polar Ware Co., Sheboygan, Wis.
Reed Mfg. Co., Newark, N. Y.
Republic Stamping & Enameling Co., Canton, O. "Old English"
Savory, Inc., 591 Ferry, Newark, N. J.
Standard Stamping Co., St. Louis, Mo.
United States Stamping Co., Moundsville, W. Va.
Vollrath Co., Sheboygan, Wis.
Wagner Mfg. Co. Sidney, O.

WARE, Fibre

Almo Trading & Importing Co., Inc., 61 E. 11th, New York, N. Y. (Indurated Fibre)

WARE, Galvanized

American Can Co., 230 Park Av., New York, N. Y.
Atlantic Stamping Co., Rochester, N. Y.
Boyle Mfg. Co., Los Angeles, Cal.
Cincinnati Galvanizing Co., Cincinnati, O.
Crunden-Martin Mfg. Co., St. Louis, Mo.
Dover Stamping & Mfg. Co., Cambridge, Mass.
Geuder, Paeschke & Frey Co., Milwaukee, Wis.
Hillson (H. M.) Co., Somerville, Mass.
Huffman Mfg. Co., Dayton, O.
Lalance & Grosjean Mfg. Co., Woodhaven, L. I., N. Y.
Lawson (F. H.) Co., Cincinnati, O. "Lawco"
Lisk Mfg. Co., Ltd., Canandaigua, N. Y.
National Enameling & Stamping Co., Milwaukee, Wis.
Reed Mfg. Co., Newark, N. Y.
Reeves Mfg. Co., Dover, O.
Richardson (M. A.), Inc., Chicago, Ill.
Robeson-Rochester Corp., Rochester, N. Y.
Rochester Can Co., Rochester, N. Y.
Savory, Inc., 591 Ferry, Newark, N. J.
Schlueter Mfg. Co., St. Louis, Mo. "De Luxe"
Sexton Can Co., Everett, Mass.
Sheet Metal Specialty Co., Follansbee, W. Va.
Standard Stamping Co., St. Louis, Mo.
Wheeling Corrugating Co., Wheeling, W. Va.
Witt Cornice Co., 2114 Winchell Av., Cincinnati, O.

WARE, Glass, Kitchen

Duncan & Miller Glass Co., Washington, Pa. (Dinner)
Hocking Glass Co., Lancaster, O.
McKee Glass Co., Jeannette, Pa. "De Luxe" (Dinner)
Marsden (J. E.) Glass Wks., Inc., Ambler, Pa. "Kold-or-Hot Utility"
United States Glass Co., Pittsburgh, Pa.

WARE, Glass, Refrigerator

Corning Glass Wks., Corning, N. Y.
Fry Glass Co., Rochester, Pa.
McKee Glass Co., Jeannette, Pa.
Marsden J. E.) Glass Wks., Inc., Ambler, Pa. "Kold-or-Hot Kompaks"
Scurlock Kontanerette Corp., 332 So. Michigan Av., Chicago, Ill. "Kontanerette"
Sneath Glass Co., Hartford City, Ind.

WARE, Glass, Table

Beaver Valley Glass Co., Rochester, Pa.
Bonita Glass Co., Huntington, W. Va.
Cambridge Glass Co., Cambridge, O.
Co-operative Flint Glass Co., Beaver Falls, Pa.
Dunbar Flint Glass Co., Dunbar, W. Va. (Water Sets)
Duncan & Miller Glass Co., Washington, Pa.
Federal Glass Co., Columbus, O.
Fenton Art Glass Co., Williamstown, W. Va.
Fostoria Glass Co., Moundsville, W. Va.
Gillinder & Sons, Phila., Pa.
Heisey (A. H.) & Co., Newark, O.
Imperial Glass Co., Bellaire, O. "Nucut"
Indiana Glass Co., Dunkirk, Ind.
Jenkins (D. C.) Glass Co., Kokomo, Ind.
McKee Glass Co., Jeannette, Pa.
Marsden (J. E.) Glass Wks., Inc., Ambler, Pa.
New Martinsville Glass Mfg. Co., New Martinsville, W. Va.
Northwood (H.) Co., Wheeling, W. Va.
Potomac Glass Co., Cumberland, Md.
Seneca Glass Co., Morgantown, W. Va.
United States Glass Co., Pittsburgh, Pa.

WARE, Hollow, Cast Iron

Arcade Mfg. Co., Freeport, Ill.
Crescent Foundry Co., St. Louis, Mo. "Ozark"
Favorite Stove & Range Co., Piqua, O.
Foster Stove Co., Ironton, O.
Glascock Stove & Mfg. Co., Greensboro, N. C.
Gray & Dudley Co., Nashville, Tenn.
Griswold Mfg. Co., Erie, Pa.
Jones Hollow Ware Co., Erie, Pa.
Laurelton Foundry Co., Laurelton, Pa.
Lodge Mfg. Co., S. Pittsburgh, Tenn.
Marietta Hollow Ware & Enameling Co., Marietta, Pa.
Vollrath Co., Sheboygan, Wis.
Wagner Mfg. Co., Fair Av., Sidney, O.

WARE, Japanned

Geuder, Paeschke & Frey Co., Milwaukee, Wis. "Cream City"
Kamenstein, M., Prospect & Pearl Sts., B'klyn, N. Y.
Kreamer (A.), Inc., 307 Kent Av., B'klyn, N. Y. "Kreamerware"
Lisk Mfg. Co., Ltd., Canandaigua, N. Y.
National Enameling & Stamping Co., Milwaukee, Wis.
Porter (C. B.) Co., Phila., Pa.
Savory, Inc., 591 Ferry, Newark, N. J.
Schlueter Mfg. Co., St. Louis, Mo.
Standard Stamping Co., St. Louis, Mo.
Stratton & Terstegge Co., Inc., Mfg. Div., Louisville, Ky. "Falls City"

WARE, Kitchen—See article desired

WARE, Nickel—See Ware, Table

WARE, Oven

(See also article desired)

Aladdin Industries, Chicago, Ill.
Alliance Vitrified China Co., Alliance, O.
Crooksville China Co., Crooksville, O. "Pantry Bak-in Ware"
Griswold Mfg. Co., Erie, Pa.
Guernseyware Co., Cambridge, O.
Jones Hollow Ware Co., Baltimore, Md.
Morton Pottery Co., Morton, Ill.
Vollrath Co., Sheboygan, Wis.
Wagner Mfg. Co., Sidney, O.

WARE, Oven, Glass

Corning Glass Wks., Corning, N. Y. "Pyrex"
Fry (H. C.) Glass Co., Rochester, Pa.
Hall China Co., East Liverpool, O.
McKee Glass Co., Jeannette, Pa. "Glasbake"

WARE, Plated—See Ware, Table

WARE, Silver—See Ware, Table

WARE, Steel—See Ware, Table

WARE, Stone

See also article desired)

Brush Pottery Co., Zanesville, O.
Bryce Bros. Co., Mt. Pleasant, Pa.
Buckeye Pottery Co., Macomb, Ill. "Blue Ribbon"
Burley & Winter Pottery Co., Crooksville, O. "Heart Brand, "Bur-Win"
Louisville Pottery Co., Louisville, Ky.
Paducah Pottery Co., Paducah, Ky.
Pfaltzgraff Pottery Co., York, Pa.
Red Wing Union Stoneware Co., Red Wing, Minn.
Uhl Pottery Co., Evansville, Ind.
U. S. Stoneware Co., Akron, O.
Western Stoneware Co., Monmouth, Ill.
White Hall Pottery Wks., White Hall, Ill.
White Hall Sewer Pipe & Stoneware Co., White Hall, Ill.
Zanesville Stoneware Co., Zanesville, O.

WARE, Table

(See also article desired)

Aluminum Goods Mfg. Co., Manitowoc, Wis.
American Silver Co., Bristol, Conn.
Benedict Mfg. Co., East Syracuse, N. Y.
Buffalo Knife Co., Buffalo, N. Y.
Cattaraugus Cutlery Co., Little Valley, N. Y.
Clyde Cutlery Co., Clyde, O.
Florence Silver Plate Co., Baltimore, Md.
Franklin Silver Plate Co., Greenfield, Mass.
Fry (H. C.) Glass Co., Rochester, Pa.
Hart (H. C.) Mfg. Co., Unionville, Conn.
Heisey (A. H.) & Co., Newark, O.
Holmes & Edwards Silver Co., Bridgeport, Conn.
Homan Mfg. Co., Cincinnati, O.
International Silver Co., Meriden, Conn.
Jennings Bros. Mfg. Co., Bridgeport, Conn.
Knickerbocker Silver Co., Port Jervis, N. Y.
Landers, Frary & Clark, New Britain, Conn. "Universal"
Manning, Bowman & Co., Meriden, Conn.
Metalware Corp., Two Rivers, Wis. "Pilgrim Ware"
Middletown Silver Co., Middletown, Conn.
National Enameling & Stamping Co., Milwaukee, Wis.
Northampton Cutlery Co., Northampton, Mass.
Oneida Community, Ltd., Oneida, N. Y.
Ontario Knife Co., Franklinville, N. Y.
Pairpoint Corp., New Bedford, Mass.
Queen City Silver Co., Cincinnati, O.
Reed & Barton Corp., Taunton, Mass.
Remington Arms Co., Inc., Bridgeport, Con. "Kleanblade"
Republic Metalware Co., New York, N. Y.
Rice's (Bernard) Sons, 325 5th, New York, N. Y.
Robeson-Rochester Co., Rochester, N. Y.
Rogers (Simon L. & Geo. H.) Co., Hartford, Conn.
Rogers, Wm. A., Niagara Falls, N. Y.
Rogers & Bro., Waterbury, Conn.
Rogers & Hamilton Co., Waterbury, Conn.
Rome Mfg. Co., Rome, N. Y.
Russell (John) Cutlery Wks., Turners Falls, Mass.
Shelby Metal Products Co., Shelby, O.
Shelton Cutlery Co., Shelton, Conn.
Simpson, Hall, Miller & Co., Wallingford, Conn.
Sta-Brite Products Corp., New Haven, Conn.
Stuber & Kuck Co., Peoria, Ill.
Union Cutlery & Hardware Co., Unionville, Conn.
United States Glass Co., Pittsburgh, Pa.
Wallace Bros., Wallingford, Conn. "W. B. W."
Watrous Mfg. Co., Wallingford, Conn.
Williams Bros. Mfg. Co., Glastonbury, Conn.
Wostenholm (Geo.) & Son, 258 B'way, New York, N. Y.

WARE, Table, Flat, Silver

International Silver Co., Meriden, Conn. (Nickel Silver)
Landers, Frary & Clark, New Britain, Conn.
Oneida Community, Ltd., Oneida, N. Y. "Par Plate," "Reliance Plate," "Tudor Plate" (Nickel Silver)
Rogers (S. L. & G. H.) Co., Hartford, Conn. "Adonis"
Wallace Bros., Wallingford, Conn. "W. B. W."

WARE, Table, Flat, Silver Plated

Diamond Silver Co., Lambertville, N. J. (Nickel Plated Only)
International Silver Co., Meriden, Conn. (Silver and Nickel Plated)
Landers, Frary & Clark, New Britain, Conn.
Manning, Bowman & Co., Meriden, Conn.
Oneida Community, Ltd., Oneida, N. Y. "Community Plate" (Silver and Nickel Plated)
Plymouth Stamped Metal Co., Galion, O.
Shelton Cutlery Co., Shelton, Conn.
Wallace Bros., Wallingford, Conn. "W. B. W."

WARE, Table, Flat, Steel, Stainless

American Silver Co., Bristol, Conn. "World Brand"
American Stainless Knife Co., Chicago, Ill.
Buffalo Knife Co., Buffalo, N. Y.
Cattaraugus Cutlery Co., Little Valley, N. Y.
Hart (H. C.) Mfg. Co., Unionville, Conn.
International Silver Co., Meriden, Conn.
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass. "Anchor"
Landers, Frary & Clark, New Britain, Conn. "Universal"
Shelton Cutlery Co., Shelton, Conn.
United States Cutlery Co., 2 Main, Belleville, N. J.
Village Blacksmith Folks, Watertown, Wis.
Wade & Butcher Corp., 190 Baldwin Av., Jersey City, N. J.

WARE, Table, Hollow Plated

International Silver Co., Meriden, Conn.
Landers, Frary & Clark, New Britain, Conn.
Oneida Community, Ltd., Oneida, N. Y. "Community Plate"
Wallace Bros., Wallingford, Conn. "W. B. W."

WARE, Table, Silver

Landers, Frary & Clark, New Britain, Conn.
Wallace Bros., Wallingford, Conn. "W. B. W."

WARE, Table, Tinned

Atlas-Ansonia Co., New Haven, Conn.
Benedict Mfg. Co., East Syracuse, N. Y.
Wallace Bros., Wallingford, Conn. "W. B. W."

WARE, Tin

(See also article desired)

American Can Co., 230 Park Av., New York, N. Y.
Atlantic Stamping Co., Rochester, N. Y.
Atlas Tinware Co., 2472 3rd Av., New York, N. Y.
Baltimore Stamping & Enameling Co., Baltimore, Md.
Behrens (H.) Mfg. Co., Winona, Minn.
Bertels (W. B.) & Son Co., Wilkes-Barre, Pa.
Bromwell Wire Goods Co., Cincinnati, O.
Cameron Can Mchy. Co., Chicago, Ill.
Cincinnati Stamping Co., Cincinnati, O.
Clark (J. L.) Mfg. Co., Rockford, Ill.
Crunden (Martin) Mfg. Co., St. Louis, Mo.
Day, Wm. R., Du Bois, Pa.
Enterprise Tinware Co., 430 E. 91st, New York, N. Y.
Federal Enameling & Stamping Co., McKees Rocks, Pa.
Feigin Tinware Corp., 396 S. 2d, B'klyn, N. Y.
Fries' (Geo.) Sons, Phila., Pa.
Gehring Mfg. Co., Pottsville, Pa.
Geuder, Paeschke & Frey Co., Milwaukee, Wis. "Cream City"
Giles (J. S.) & Sons, Chicago, Ill.
Grier Bros. Co., Pittsburgh, Pa.
Hamilton Metal Products Co., Hamilton, O.
Hawkins (John E.) & Son, Troy, N. Y.
Hemp & Co., Corp., St. Louis, Mo.
Hilley, Philip C., Phila., Pa.
Hillson (H. M.) Co., Somerville, Mass.
Huenefeld Co., Cincinnati, O.
Kamenstein, M., 135 Pearl, B'klyn, N. Y.
Katzinger (Edward) Co., Chicago, Ill.
Knoxville Tinware Mfg. Co., Knoxville, Tenn.
Kreamer (A.), Inc., 307 Kent Av., B'klyn, N. Y.
Lalance & Grosjean Mfg. Co., Woodhaven, L. I., N. Y.
Lawrence-Bostwick Mfg. Co., Phelps, N. Y.
Lawson (F. H.) Co., Cincinnati, O. "Lawco"
Lisk Mfg. Co., Ltd., Canandaigua, N. Y.
McAleer (E. J.) & Co., Phila., Pa.
McCormick Bros. Co., Albany, Ind.
McLaughlin Co., Brockport, N. Y.
McVoy Sheet & Tinplate Co., Chicago, Ill.
Melloy's (John M.) Sons, Phila., Pa.
Menig Sheet Metal Wks., Buffalo, N. Y.
Moncrief-Lenoir Mfg. Co., Houston, Tenn.
Moshelk (P.) & Son, Chicago, Ill.
National Enameling & Stamping Co., Milwaukee, Wis.
New England Enameling Co., Middletown, Conn.
Pague Mfg. Co., Kansas City, Mo.
Pittsburgh Tinware Mfg. Co., Pittsburgh, Pa.
Porter (C. B.) Co., Phila., Pa.
Reed Mfg. Co., Newark, N. J.
Rice (C. E.) Co., Springfield, Mass.
Richardson (M. A.), Inc., Chicago, Ill.
Rochester Can Co., Rochester, N. Y. "Iron Horse"
Roseland Can & Wire Goods Co., Rockford, Ill.
Sargoy Bros., 74 N. 9th, B'klyn, N. Y.
Savory, Inc., 591 Ferry, Newark, N. J.
Schlueter Mfg. Co., St. Louis, Mo. "De Luxe," Imperial"
Smith (J. O.) Mfg. Co., Middletown Conn.
Standard Stamping Co., St. Louis, Mo.
Sterling Aluminum Co., Erie, Pa.
Stratton & Terstegge Co., Inc., Mfg. Div., Louisville, Ky. "Falls City"
Stuber & Kuck Co., Peoria, Ill.
Western Tinware Co., St. Louis, Mo.
Western Tin & Japan Mfg. Co., Cincinnati, O.
Wheeling Corrugating Co., Wheeling, W. Va.
Willis, Walter B., Baltimore, Md.
Zansler, E. L., New Orleans, La.

WARE, Wooden—See article desired

WAREHOUSE BROOMS—See Brooms, Warehouse

WAREHOUSE TRUCKS—See Trucks, Store, Warehouse and Factory

WARM AIR FURNACES—See Furnaces, Warm Air

WARM AIR REGISTERS—See Registers, Warm Air

WARMERS, Foot, Electric

American Electrical Heater Co., Detroit, Mich.
Edison Electric Appliance Co., Chicago, Ill. "Hotpoint"
Slaughter (Wm. E.) & Co., Chicago, Ill.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.

WARMERS, Plate, Electric

General Electric Co., Bridgeport, Conn. "Hotpoint"
Landers, Frary & Clark, New Britain, Conn. "Universal"
Prometheus Electric Co., 358 W. 13th, New York, N. Y.
Standard Electric Stove Co., Toledo, O.

WARMERS, PLATE, HOT WATER—See Plates, Children's

WASH BASINS—See Ware, Aluminum; also Ware, Enameled; also Ware, Tin

WASH BOARDS—See Boards, Wash

WASH BOILER HANDLES—See Handles, Boiler

WASH BOILERS—See Boilers, Wash

WASH and LAUNDRY SETS, TOY—See Sets, Laundry and Wash, Toy

WASH TUB BENCHES—See Benches, Wash Tub

WASH TUB COVERS—See Covers, Wash Tubs

WASH TUB STANDS—See Stands, Wash Tub

WASH TUBS—See Tubs, Wash

WASHER CUTTERS—See Cutters, Gasket and Washer

WASHERS, Automobile—See Washers, Vehicle

WASHERS, Auto & Carriage Overhead

Myers (F. E.) & Bro. Co., 902 Church, Ashland, O. "Cyclone"

WASHERS, Axle

Acme Mfg. & Gasket Co., Phila., Pa.
American Nut & Bolt Fastener Co., Pittsburgh, Pa.
Arguto Oilless Bearing Co. (Wayne Junction), Phila., Pa.
Bardell (J. C.) Co., Moundsville, W. Va.
Bound Brook Oil-Less Bearing Co., Bound Brook, N. J. "Nigrum"
Brawley, T. R., 275 20th, B'klyn, N. Y.
Fernald Mfg. Co., North East, Pa.
Hoffeld (R.) & Co., Buffalo, N. Y.
Joliet Wrought Washer Co., Joliet, Ill.
McCarthy, T. F., Boston, Mass.
McKinnon Dash Co., Buffalo, N. Y.
Stimpson (Edwin B.) Co., 70 Franklin Av., B'lyn., N. Y.
United Screw & Bolt Corp., Cleveland, O.
Wrought Washer Mfg. Co., Milwaukee, Wis.

WASHERS, Bibb—See Washers, Fibre; also Washers, Rubber

WASHERS, Brass and Copper

Acme Mfg. & Gasket Co., Phila., Pa.
American Brass Co., Waterbury, Conn. "Anaconda"
American Nut & Bolt Fastener Co., Pittsburgh, Pa.
American Ring Co., Waterbury, Conn.
Atlas Tack Corp., Fairhaven, Mass.
Brainerd Mfg. Co., East Rochester, N. Y.
Bridgeport Brass Co., Bridgeport, Conn.
Chase Brass & Copper Co., Waterbury, Conn.
Chicago Specialty Mfg. Co., Chicago, Ill.
Clark Bros. Bolt Co., Milldale, Conn.
Clendenin Bros. Co., Inc., Baltimore, Md.
Everitt Co., Boston, Mass.
Harper (H. M.) Co., Chicago, Ill.
Ives (H. B.) Corp., New Haven, Conn.
Kaufman (Chas.) & Sons, Inc., Santa Ana, Cal.
Massachusetts Mach. Shop, Boston, Mass.
Pheoll Mfg. Co., Chicago, Ill.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Russell (Jno. M.) Mfg. Co., Inc., Naugatuck, Conn.
Screw Machine Specialty Co., Pittsburgh, Pa.
Steele & Johnson Mfg. Co., Waterbury, Conn. (Closet)
Stimpson (Edwin B.) Co., 70 Franklin Av., B'klyn., N. Y.
United Screw & Bolt Corp., Cleveland, O.
Waterbury Brass Goods Corp., Waterbury, Conn.
Waterbury Button & Mfg. Co., Waterbury, Conn.
Waterbury Mfg. Co., Waterbury, Conn.
Western Screw Mfg. Co., Chicago, Ill.
Wrought Washer Mfg. Co., Milwaukee, Wis.

WASHERS, CAR—See Washers, Vehicle

WASHERS, Carpet—See Machinery, Carpet Cleaning

WASHERS, Carriage—See Washers, Vehicle

WASHERS, Copper—See Washers, Brass and Copper

WASHERS, Cork

Acme Mfg. & Gasket Co., Phila., Pa.
Advance Felt & Cutting Co., Chicago, Ill.
Armstrong Cork Co., Lancaster, Pa. "Acco"
Field (R. B.) & Co., Worcester, Mass. "Fieldco"
Gasket Supply Co., Phila., Pa. "Right"
Mundet (L.) & Son, 450 7th Av., New York, N. Y. "Jointite"
Paddock Cork Co., 1209 De Kalb Av., B'klyn., N. Y.
Spanish-American Cork & Specialty Co., Baltimore, Md.

WASHERS, Countersunk

Continental Screw Co., New Bedford, Mass. "Holdtite"
Reed & Prince Mfg. Co., Worcester, Mass.
Stimpson (Edwin B.) Co., 68 Franklin Av., B'klyn., N. Y.

WASHERS, Faucet

Du Charme Products, Inc., 620 Western Reserve Bldg., Cleveland, O. "Perfection" (Composition)

WASHERS, Felt

Acme Mfg. & Gasket Co., Phila., Pa.
Advance Felt & Cutting Co., Chicago, Ill.
American Felt Co., Boston, Mass.
Auburn Leather Goods Co., Hartford, Conn.
Barwood (L. J.) Mfg. Co., Stoneham, Mass.
Booth Felt Co., Inc., 463 19th, B'klyn., N. Y.
Brawley, T. R., 275 20th, B'klyn., N. Y. "Rounds Brand"
Excelsior Leather Washer Mfg. Co., Rockford, Ill. "X. L."
Felt Products Mfg. Co., Chicago, Ill. "Fel-Pro"
Felters Co., Millbury, Mass.
Field (R. B.) & Co., Worcester, Mass. "Fieldco"
Gasket Supply Co., Phila., Pa. "Right"
House (Chas. W.) & Sons, Unionville, Conn.
Rhodes (Jas. H.) & Co., Chicago, Ill. "Rhocom"
Standard Felt Co., West Alhambra, Cal.
Star Felt Cutting Co., 260 69th, B'klyn., N. Y.
Sutherland Leather & Felt Co., Detroit, Mich.
Victor Mfg. & Gasket Co., Chicago, Ill.
Western Felt Wks., Chicago, Ill.

WASHERS, Fibre

Acme Mfg. & Gasket Co., Phila., Pa.
Auburn Leather Goods Co., Hartford, Conn.
Barwood (L. J.) Mfg. Co., Stoneham, Mass. "Leak-Stop"
Chicago Specialty Mfg. Co., Chicago, Ill.
Du Charme Products, Inc., 620 Western Reserve Bldg., Cleveland, O. "Perfection," (Composition)
Holland Rubber Co., 26 Warren, New York, N. Y.
Keystone Brass & Rubber Co., Phila., Pa.
Massachusetts Machine Shop, Inc., Boston, Mass.
Rodale Mfg. Co., Emaus, Pa.
Wrought Washer Mfg. Co., Milwaukee, Wis.

WASHERS, Galvanized

(See Washers, Iron and Steel)

Wrought Washer Mfg. Co., Milwaukee, Wis.

WASHERS, Hose, Garden

Acme Mfg. & Gasket Co., Phila., Pa.
Aetna Rubber Co., Ashtabula, O.
Boston Woven Hose & Rubber Co., Cambridge, Mass "Good Luck"
Canfield Rubber Co., Bridgeport, Conn.
Diamond Rubber Co., Akron, O.
Goodrich (B. F.) Rubber Co., Akron, O.
Hol-Tite Hose Washer Co., Alameda, Cal. "Sta-In"
Keystone Brass & Rubber Co., Phila., Pa.
Kirkhill Rubber Co., Los Angeles, Cal.
Mueller Brass Co., Port Huron, Mich. "Neverlose"
Rodale Mfg. Co., Emaus, Pa.
Schlangen Mfg. Co., Chicago, Ill.

WASHERS, Iron, Malleable

Allith-Prouty Co., Danville, Ill.
Chicago Hdw. & Fixture Co., Chicago, Ill.
National Malleable & Steel Castings Co., Cleveland, O.
Ryerson (Jos. T.) & Son, Chicago, Ill.
Wrought Washer Mfg. Co., Milwaukee, Wis.

WASHERS, Iron and Steel

Acme Mfg. & Gasket Co., Phila., Pa.
American Equipment Co., Norristown, Pa.
American Nut & Bolt Fastener Co., Pittsburgh, Pa.
American Ring Co., Waterbury, Conn.
Ames (W.) & Co., 417 Communipaw Av., Jersey City, N. J.
Atlas Tack Corp., Fairhaven, Mass.
Autoscrew Co., 355 W. Broadway, New York, N. Y. (Monel Metal)
Bettcher Stamping & Mfg. Co., Cleveland, O.
Bonney Forge & Tool Wks., Allentown, Pa.
C-K-R Company, Cleveland, O.
Clark Bros. Bolt Co., Noble Rd., Milldale, Conn.
Coatesville Plate Washer Co., Coatesville, Pa. (Plate)
Columbus Bolt Wks. Co., Columbus, O.
D'Arcy Spring Co., Kalamazoo, Mich.
Economy Screw Corp., Chicago, Ill.
Frantz Mfg. Co., Sterling, Ill.
Gasket Supply Co., Phila., Pa. "Right"
Griffin Mfg. Co., Erie, Pa.
Hager (C.) & Sons Hinge Mfg. Co., St. Louis, Mo. (Wrought)
Hoffeld (R.) & Co., Buffalo, N. Y.
Hubbard Spring Mfg. Co., Pontiac, Mich.
Interstate Iron & Steel Co., Chicago, Ill.
Joliet Wrought Washer Co., Joliet, Ill.
Kales Stamping Co., Detroit, Mich.
Konigslow (Otto) Mfg. Co., Cleveland, O.
Lamson & Sessions Co., Cleveland, O.
Massachusetts Mach. Shop, Boston, Mass.
Master Products Co., Cleveland, O. (Wrought)
National Mfg. Co., Sterling, Ill.
Newark Malleable Iron Wks., 357 Wilson Av., Newark, N. J. "Victor"
New England Bolt & Steel Co., Boston, Mass.
Oakes Co., Indianapolis, Ind.
Oliver Iron & Steel Co., Pittsburgh, Pa.
Pheoll Mfg. Co., Chicago, Ill.
Pittsburgh Screw & Bolt Co., Pittsburgh, Pa.
Quadriga Mfg. Co., Chicago, Ill.
Reliance Mfg. Co., Massillon, O.
Republic Steel Co., Upson Nut Div., Cleveland, O. "Upson"
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y. "Empire"
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
St. Louis Screw & Bolt Co., St. Louis, Mo.
Sessions (J. H.) & Son, Bristol, Conn.
Smith (Thos.) Co., Worcester, Mass.
Stanley Wks., New Britain, Conn.
Steele & Johnson Mfg. Co., Waterbury, Conn.
Sweet (A. L.) Iron Wks., Medina, N. Y. "O. G."
United Screw & Bolt Corp., Cleveland, O.
Walworth Co., Boston, Mass.
Western Fdry. & Sash Weight Co., St. Louis, Mo.
Worcester Stamped Metal Co., Worcester, Mass.
Wrought Washer Mfg. Co., Milwaukee, Wis.

WASHERS, Lead

Acme Mfg. & Gasket Co., Phila., Pa.
American Casting & Mfg. Corp., 30 Main, B'klyn, N. Y.
American Smelting & Refining Co., San Francisco, Cal.
Barwood (L. J.) Mfg. Co., Stoneham, Mass.
Cleveland Graphite-Bronze Co., Cleveland, O.
Edwards Mfg. Co., Cincinnati, O.
Emrich, Philip, Cincinnati, O.
Field (R. B.) & Co., Worcester, Mass.
Gasket Supply Co., Red Hill, Pa.
Globe Iron Roofing & Corrugating Co., Inc., Newport, Ky.
Klauer Mfg. Co., Dubuque, Ia.
Littleford Bros., Cincinnati, O.
Massachusetts Machine Shop, Inc., Boston, Mass.
National-Boston Lead Co., Boston, Mass.
National Lead Co., 111 B'way, New York, N. Y.
New Delphos Mfg. Co., Delphos, O.
Newport Rolling Mill Co., Newport, Ky.
Quadriga Mfg. Co., Chicago, Ill.
Scott Roofing & Mfg. Co., Cincinnati, O.
Souther (E. E.) Iron Co., St. Louis, Mo.
Wheeling Corrugating Co., Wheeling, W. Va.

WASHERS, Leather

Acme Mfg. & Gasket Co., Phila., Pa.
Auburn Leather Goods Co., Hartford, Conn. "Algco"
Barwood (L. J.) Mfg. Co., Stoneham, Mass.
Bickford & Francis Belting Co., Buffalo, N. Y.
Chicago Rawhide Co., Chicago, Ill.
Chicago Specialty Mfg. Co., Chicago, Ill.
Detroit Leather Wks., Detroit, Mich.
Excelsior Leather Washer Mfg. Co., Rockford, Ill. "X. L."
Field (R. B.) & Co., Worcester, Mass. "Fieldco"
Flexement Corp., Muskegon, Mich.
Gasket Supply Co., Phila., Pa. "Right"
General Tanning Corp., Irvington, N. J.
Graton & Knight Mfg. Co., Worcester, Mass. "G. & K."
Hide Leather & Belting Co., Indianapolis, Ind.
Hoffeld (R.) & Co., Buffalo, N. Y.
Holland Rubber Co., 26 Warren, New York, N. Y.
Hunt (Henry C.) Co., 261 Franklin, Boston, Mass.
Illinois Mechanical Leather Co., Chicago, Ill.
Judd & Leland Mfg. Co., Clifton Springs, N. Y.
Kendrick Valve & Washer Co., Syracuse, N. Y.
Leather Parts Co., Indianapolis, Ind.
Marsh (Chas. W.) Co., Muskegon, Mich.
Simplex Mfg. Co., Auburn, N. Y. "Simco"
Sutherland Leather & Felt Co., Detroit, Mich.

WASHERS, Lock

(See also Nuts, Lock)

American Nut & Bolt Fastener Co., Pittsburgh, Pa. "Anti-Link," "Kantlink"
Cap Screw & Nut Co., 38 Renwick, New York, N. Y.
Eaton Mfg. Co., Massillon, O. "Reliance"
Heiz & Heiz, Bush Terminal Bldg., B'klyn, N. Y. "H-H"
Hobbs Mfg. Co., Worcester, Mass.
Jenckes (E.) Mfg. Co., Worcester, Mass.
Mansfield Lock Washer Co., Detroit, Mich. "Kantlink"
National Lock Washer Co., 40 Herman, Newark, N. J. "Kantlink"
National Umbrella Frame Co., Germantown, Phila., Pa. "Never Slip"
Oliver Iron & Steel Corp., Pittsburgh, Pa.
Palnut Co., Irvington, N. J.
Parker Metal Goods Co., Worcester, Mass.
Positive Lock Washer Co., 181 Miller, Newark, N. J. "Kantlink," "Keystone," "Non-Link Positive"
Premax Products, Inc., Niagara Falls, N. Y.
Shakeproof Lock Washer Co., Chicago, Ill.
Washburn Company, Worcester, Mass. "Shurlox"
Western Wire Products Co., St. Louis, Mo. "W. W."

WASHERS, Mica, Insulation, Etc.

American Mica Wks., 47 West, New York, N. Y.
Arguto Oilless Bearing Co., Phila., Pa.
Asheville Mica Co., Biltmore, N. C.
Mica Insulator Co., 200 Varick, New York, N. Y.
Schoonmaker (A. O.) Insulation Co., Inc., 30 University Pl., New York, N. Y.

WASHERS, Nickel Plated

Russell (Jno. M.) Mfg. Co., Inc., Naugatuck, Conn.
Wrought Washer Mfg. Co., Milwaukee, Wis.

WASHERS, Rubber

Auburn Leather Goods Co., Hartford, Conn.
Canfield Rubber Co., Bridgeport, Conn.
Chicago Specialty Mfg. Co., Chicago, Ill.
DuCharme Products, Inc., 620 Western Reserve Bldg., Cleveland, O. "Perfection" (Composition)
Durst Mfg. Co., 468 B'way, New York, N. Y.
Goodwin Mfg. Co., Cleveland, O. "Black Cat"
Holland Rubber Co., 26 Warren, New York, N. Y.
Keystone Brass & Rubber Co., Phila., Pa.
La Favorite Rubber Mfg. Co., Paterson, N. J.
Laurel Co., Garfield, N. J.
Rodale Mfg. Co., Emaus, Pa.
Union Rubber & Asbestos Co., Trenton, N. J.
U. S. Rubber Co., 1790 B'way, New York, N. Y.
Voorhees Rubber Mfg. Co., 105 Hudson, New York, N. Y.
Whitehead Bros. Rubber Co., Trenton, N. J.

WASHERS, Square

Coatesville Plate Washer Co., Coatesville, Pa.
Wrought Washer Mfg. Co., Milwaukee, Wis.

WASHERS, Steel—See Washers, Iron and Steel

WASHERS, Stopbead and Screw

Barrows Lock Wks. of Yale & Towne Mfg. Co., Lockport, Ill.
Corbin, P. & F., New Britain, Conn.
Sager Lock Wks. of Yale & Towne Mfg. Co., No. Chicago, Ill.
Sargent & Co., New Haven, Conn.
Yale & Towne Mfg. Co., Stamford, Conn.

WASHERS, Vacuum, Hand Suction

Burlingame Mfg. Co., Syracuse, N. Y. "Vac Cup"
Childers, C. T., Galesburg, Ill. "Baby Rapid," "Rapid," "Rapid Junior"
Kautenberg (W. E.) Co., Inc., Freeport, Ill. "Economy"
Mosheik (P.) & Son, Chicago, Ill.
Rullman Vacuum Washer Co., Omaha, Neb.
Stalker (Leo) & Co., Cedar Rapids, Ia. "Betty Bubbles"
Stuber & Kuck Co., Peoria, Ill. "Wendell"

WASHERS, Vehicle

Acme Mfg. & Gasket Co., Phila., Pa.
American Brush Mfg. Co., Portland, Ore. "Ambruco"
American Textile Products Co., East Cleveland, O. "No-Mar"
Binks Mfg. Co., Chicago, Ill.
Champion Pneumatic Mchy. Co., Chicago, Ill.
Fuller Brush Co., Hartford, Conn.
Gaylord Mfg. Co., Paterson, N. J.
Globe Mfg. Co., Battle Creek, Mich.
Heaney Mfg. Co., Boston, Mass.
Her-Gen Mfg. Co., Chicago, Ill.
Hertzberg (H.) & Son, 41 E. 11th, New York, N. Y. "Cleansbest"
Hicks (Howard A.) Brush Co., Denver, Col.
Hygenia Brush Co., 9 May, Worcester, Mass. "Ideal"
Ideal Clamp Mfg. Co., 200 Bradford, B'klyn, N. Y. "Ace"
Maxwell Brushes, Inc., 213 E. 144th, New York, N. Y. (Automobile)
Muller, Edward, West New York, N. J. "Reliable"
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O.
North Ridge Brush Co., Freeport, Ill.
Osborne Mfg. Co., Cleveland, O.
Persinger & Co., Minneapolis, Minn. "Allen"
Raban, W. A., Port Chester, N. Y. "Westchester"
Rennous, Kleinle & Co., Baltimore, Md. "Arkaco," "Fitsit"
Rippley Mfg. Co., Grafton, Ill. "O. K."
Ryan & Long, Appleton, Wis. "Perfection"
Sanitax Brush Co., Chicago, Ill.
Schaffer, N. S., Rochester, N. Y. "Superior"
Smith (Jos. N.) & Co., Detroit, Mich.
Tempco Mfg. Co., Chicago, Ill. "Peerless"
Twenty Purpose Sprinkler-Filler Co., Peoria, Ill.
U. S. Specialty Co., Boston, Mass. "Hecla"
Watson-Webber Co., Auburn, Me. "Flexite Magic Mitt"
Wayne Co., Fort Wayne, Ind. (Automobile)
Wilman Co., Toledo, O. "Sponjoff" (Sponge)
Wizard Washer & Wringer Wks., Canastota, N. Y.

WASHING MACHINE DRAINERS—See Drainers, Washing Machine

WASHING MACHINE RINSING TUBS—See Tubs, Rinsing

WASHING MACHINES, Clothes, Automatic

Fisher (Adam) Mfg. Co., St. Louis, Mo. "Torrent"

WASHING MACHINES, Clothes, Electric

Almetal Mfg. Co., St. Louis, Mo. "Pollyanna"
Altorfer Bros. Co., Peoria, Ill. "ABC," "ABC Companion," "Alco," "Apartment," "Playmayd," "Spinner," "Super Electric"
American Ironing Machine Co., Algonquin, Ill. "Simplex"
Apex Electrical Mfg. Co., Cleveland, O.
Automatic Washer Company, Newton, Ia. "Challenger," "Sentinel"
Barlow & Seelig Mfg. Co., Ripon, Wis. "Speed Queen," "Star"
Barton Corp., West Bend, Wis.
Birtman Electric Co., Chicago, Ill. "Bee-Vac," "Utility"
Black & Decker Mfg. Co. (Towson Heights), Baltimore, Md. "Cinderella"
Blackstone Mfg. Co., Jamestown, N. Y.
Bluffton Mfg. Co., Findlay, O. "Women's Friend"
Boss Washing Mach. Co., Norwood Station, Cincinnati, O. "Banner," "Champion," "Faultless," "Perfection," "Safety Bar," "Sterling," "Thermo," "Uneeda"
Brammer Washing Machine Co., Davenport, Ia. "Conlon," "Knoxall," "Thrift," "Wayhand," "Western"
Chicago Dryer Co., Chicago, Ill.
Coffield Washer Co., Dayton, O. "Quick"
Conlon Corp., Chicago, Ill. "Hold Heet"
Cope-Swift Co., Inc., Detroit, Mich. "New Day Crystal," "Safety"
Crystal Co., Detroit, Mich.
Decker (L. M.) Co., Omaha, Neb. "Decker-Rullman"
Delite Mfg. Co., Bryan, O.
Dexter Co., Fairfield, Ia. "Climax," "Cruiser," "Duchess," "Fastwin," "Royale," "Solo," "Speedex"
Easy Washing Machine Corp., Syracuse, N. Y.
Eden Service Co., Springfield, O. "Edenette"
Federal Electric Co., Chicago, Ill. "Fedelco," "Federal Princess," "Federal Triumph"
Fem Co., Portland, Ore. "DeLuxe"
Frederick Co., Chicago, Ill.
Gainaday Electric Co., Pittsburgh, Pa.
Gem Electric Washing Machine Co., Dayton, O.
General Electric Co., Bridgeport, Conn.
General Electric Co., Schenectady, N. Y.
General Utilities Mfg. Co., Detroit, Mich. "Sunnysuds"
Getz Power Washer Co., Morton, Ill. "American Beauty"
Geyser Washing Machine Co., Chicago, Ill. "Baby"
Graybar Electric Co., 420 Lexington Av., New York, N. Y.
Grinnell Washing Mach. Corp., Grinnell, Ia. "Laundry Queen," "Princess," "Regal"
Haag Bros. Co., Peoria, Ill. "Eighty," "Nuway," "Twin-Tex," "Vortex"
Handi Appliance Corp., Buffalo, N. Y.
Hart (Wallace B.) Inc., 8 E. 34th, New York, N. Y. "Hart-Arora"
Horton Mfg. Co., Fort Wayne, Ind. "Emerald," "Perfect 36," "Pioneer"
Hurley Machine Co., Chicago, Ill. "Thor"
Johnson Washer Co., Div. of Apex Electrical Mfg. Co., Oakland, Cal.
Keystone Washing Machine Co., Inc., Shoemakersville, Pa.
Kohler Co., Kohler, Wis.
Landers, Frary & Clark, New Britain, Conn. "Universal"
Laun-Dry-Ette Corp., Cleveland, O.
Lisle Corp., Clarinda, Ia. "New Clarinda," "Whirl Vac"
Little Giant, Inc., Oakland, Cal.
Major Appliance, Inc., Peoria, Ill.
Maytag Co., Newton, Ia.
Meadows Mfg. Co., Bloomington, Ill. "Greyhound," "Laundrola"

WASHING MACHINES, Clothes, Electric (Continued)

Minier Mfg. Co., Peoria, Ill.
Modern Laundry Machine Mfg. Co., Chicago, Ill. "Mola"
Morse, Frank W., Boston, Mass. (Attach to Vacuum Cleaner)
National Motor Co., Springfield, O.
National Sales & Mfg. Co., Des Moines, Ia.
National Sewing Mach. Co., Belvidere, Ill. "Happy Day"
Nineteen Hundred Corp., Binghamton, N. Y. "Cataract," "1900 Whirlpool," "De Luxe," "Imperial," "Niagara"
One Minute Washer Co., Newton, Ia.
Pine-Ihrig Machine Co., Oshkosh, Wis. "Ihrig," "Lester"
Prima Mfg. Co., Inc., Sidney, O. "Spin-Dry"
Richmond Cedar Works, Richmond, Va.
Rite-Way Washing Machine Co., San Francisco, Cal.
Savage Arms Corp., Utica, N. Y.
Silvers Mfg. Co., Waterloo, Ia.
Stewart Die Casting Corp., Div. of Stewart-Warner Corp., Chicago, Ill. "Rite Way"
Thermos Washer Co., Perry, Ia. "Kibby's"
Triplex Washing Machine Corp., Chicago, Ill.
Trojan Mfg. Co., Erie, Pa.
United Engine Co., Lansing, Mich.
Vac-A-Tap Syndicate, Holland, Mich.
Victory Washer Co., Ltd., San Francisco, Cal.
Voss Bros. Mfg. Co., Davenport, Ia. "Vanity," "Voss-Floto-Plane"
Vulcan Mfg. Co., Kansas City, Mo. "Faultless"
Westinghouse Elec. & Mfg. Co., Mansfield, O.
Whirldry Corp., New Haven, Conn.
Williamson (H. E.) Co., Los Angeles, Cal.
Woodrow Washing Mach. Co., Pella, Ia. "Rust Proof"
Zenith Machine Co., Duluth, Minn.

WASHING MACHINES, Clothes, Engine Power

Altorfer Bros. Co., Peoria, Ill. "ABC," "Alco," "Dolly," "Liberty Bell," "Progress"
Automatic Washer Company, Newton, Ia. "Duo-Disc"
Barlow & Seelig Mfg. Co., Ripon, Wis. "Speed Queen"
Blackstone Mfg. Co., Jamestown, N. Y.
Brammer Washing Machine Co., Davenport, Ia. "O. K."
Conlon Corp., Chicago, Ill.
Decker (L. M.) Co., Omaha, Neb. "Decker-Rullman"
Dexter Co., Fairfield, Ia. "Climax," "Cruiser," "Duchess," "Fairfield," "Packard," "Tub"
Easiest Way Mfg. Co., Sandusky, O.
Fairbanks, Morse & Co., Chicago, Ill. "Eclipse," "Fairday"
Finucane (Bernard E.) Co., Rochester, N. Y. "Washerette"
G. & D. Mfg. Co., Streator, Ill. "Farmer's Friend"
Getz Power Washer Co., Morton, Ill. "American Beauty"
Haag Bros. Co., Peoria, Ill. "Eighty," "Nuway," "Twin," Vortex"
Hirschy Co., Duluth, Minn.
Horton Mfg. Co., Fort Wayne, Ind. "Emerald," "Perfect 36," "Pioneer"
King Washing Mach. Co., Wolcott, Ia.
Klean Kwick Washer Co., Cedar Rapids, Ia. "Twin"
Knoll Mfg. Co., Reading, Pa. "Queen"
Maytag Co., Newton, Ia.
Meadows Mfg. Co., Bloomington, Ill. "Family," "Safety,"
Michigan Washing Mach. Co., Muskegon, Mich. "Muskegon"
Minier Mfg. Co., Peoria, Ill. "Kill-Kare," "2-in-1"
One Minute Washer Co., Newton, Ia. "Laundry Maid"
Richmond Cedar Wks., Richmond, Va.
Sandusky Washer Co., Sandusky, O.
Schroeder (S. E.) Mfg. Co., Minier, Ill.
Sheldon Engine & Sales Co., Waterloo, Ia.
Sieverkropp Engine Co., Racine, Wis.
Stover Mfg. & Engine Co., Freeport, Ill. "Good"
Superior Mach. Co., Sterling, Ill. "Simplex," "Sterling," "Submarine," "Success"
United Engine Co., Lansing, Mich. "Banner"
Voss Bros. Mfg. Co., Davenport, Ia. (Gas)
Vulcan Mfg. Co., Kansas City, Mo. "Faultless"
Wayne Mfg. Co., St. Louis, Mo. "Royal," "Wamanco"
White Lily Mfg. Co., Davenport, Ia. "De Luxe"
Woodrow Washing Mach. Co., Pella, Ia. "Tilting Twin"

WASHING MACHINES, Clothes, Gasoline Motor

Altorfer Bros. Co., Peoria, Ill. "ABC," "Companion," "Playmayd"
Boss Washing Machine Co., Norwood Station, Cincinnati, O. "Banner," "Champion," "Faultless," "Perfection," "Sterling," "Thermo," "Uneeda"
Brammer Washing Machine Co., Davenport, Ia. "Knoxall," "Thrift," "Wayhand," "Western"
Dexter Co., Fairfield, Ia.
Haag Bros. Co., Peoria, Ill. "Twin-Tex"
Horton Mfg. Co., Fort Wayne, Ind. "Emerald," "Perfect 36," "Pioneer"
Hurley Machine Co., Chicago, Ill. "Thor"
One Minute Washer Co., Newton, Ia.
Voss Bros. Mfg. Co., Davenport, Ia.

WASHING MACHINES, Clothes, Hand Power

Altorfer Bros. Co., Peoria, Ill. "ABC," "Community"
Barlow & Seelig Mfg. Co., Ripon, Wis. "Big 3"
Boss Washing Mach. Co., Norwood Station, Cincinnati, O. "Banner," "Champion," "Faultless," "Perfection," "Sterling," "Thermo," "Uneeda"
Boyson Mfg. Co., St. Albia, Ia.
Brammer Washing Machine Co., Davenport, Ia. "Knoxall," "Thrift," "Wayhand," "Western"
Brown Clutch Co., Sandusky, O. "Dandy"
Burlingame Mfg. Co., Syracuse, N. Y. "Easy Type," "Vac Cup"
Christensen (H. K.) Mfg. Co., Fort Atkinson, Wis.
Cizek Bros. Mfg. Co., Clutier, Ia. "Iowa King," "Two-in-One"
Continental Steel Corp., Kokomo, Ind. (Galvanized)
Decker (L. M.) Co., Omaha, Neb. "Decker-Rullman," "Monitor"
Dexter Co., Fairfield, Ia. "Cruiser," "Duchess," "Iowa," "Woman's Friend"
Duette Mfg. Co., 225 4th Av., New York, N. Y. (Also Dry Cleaning)
Easiest Way Mfg. Co., Sandusky, O.
Edwards Mfg. Co., Middletown, Ind. "Favorite," "Perfection"
Getz Power Washer Co., Morton, Ill.
Hayes Mfg. Co., Kansas City, Mo. "Adams"
Household Eng'g Co., Springfield, Mass.
Kiel Mfg. Co., Albert Lea, Minn.
Laundry Queen Washer Co., Centerville, Ia.
Lisk Mfg. Co., Ltd., Canandaigua, N. Y.
Maytag Co., Newton, Ia. "Pastime"
Michigan Washing Mach. Co., Muskegon, Mich. "High Speed," "Two-Speed"
1900 Washer Co., Binghampton, N. Y.
One Minute Washer Co., Newton, Ia.
Richmond Cedar Wks., Richmond, Va. "Clipper," "F. F. V.," "Lightning," "Majestic," "Matchel"
Ross, C. E., Lincoln, Ill. "World's Washer"
Sandusky Washer Co., Sandusky, O. "One Minute"
Sheer (H. M.) Co., Quincy, Ill. "Cascade"
Superior Mach. Co., Sterling, Ill. "Safety High Speed"
Triplex Washing Machine Co., Chicago, Ill.
United Engine Co., Lansing, Mich.
Victor Mfg. Co., Leavenworth, Kan. "Wonder Washer"
Wayne Mfg. Co., St. Louis, Mo. "Superior," "Wamanco"
Wendell Vacuum Washer Co., Leipsic, O.
White Lily Mfg. Co., Davenport, Ia. "Hummer"

WASHING MACHINES, Clothes, Toy

Buffalo Toy & Tool Wks., Buffalo, N. Y. "Dolly's Washer"
Edwards Mfg Co., Middletown, Ind. "Wee Washer"
Jefferson Electric Co., Bellwood, Ill. "Jiffy-Jeff"

WASHING MACHINES, Clothes, Water Motor

Altorfer Bros. Co., Peoria, Ill. "ABC"
American Washer Co., St. Louis, Mo. "O-Joy"
American Water Motor Co., Columbus, O.
Boss Washing Mach. Co., Norwood Station, Cincinnati, O. "Banner," "Champion," "Faultless," "Perfection," "Sterling," "Thermo," "Uneeda"
Decker (L. M.) Co., Omaha, Neb. "Decker-Rullman"
Dexter Co., Fairfield, Ia.
Easiest Way Mfg. Co., Sandusky, O.
Handi-Appliance Co., Inc., Chandler, Buffalo, N. Y.
Mermaid Dish Washer Co., Middletown, Conn.
Michigan Washing Mach. Co., Muskegon, Mich. "Niagara," "Premier"
National Motor Co., Springfield, O.
1900 Washer Co., Binghamton, N. Y.
Richmond Cedar Wks., Richmond, Va. "R. C. W."
Sandusky Washer Co., Sandusky, O. "One Minute"
United Engine Co., Lansing, Mich.
Wayne Mfg. Co., St. Louis, Mo. "Royal"
White Lily Mfg. Co., Davenport, Ia.
Yost Superior Co., Springfield, O.

WASHING MACHINES, Dish

Dietz Mfg. Co., Findlay, Cincinnati, O. "Drumfire"
Edgar (Robert) & Co., Cedar Rapids, Ia.
Friendly Products Co., Boston, Mass.
Great Western Mfg. Co., La Porte, Ind. "H-B Automatic"
Knox Motors Associates, Springfield, Mass.
Metropolitan Eng'g Co., 1250 Atlantic Av., B'klyn, N. Y.
Morgan Home Products, Inc., Buffalo, N. Y. "Darlo"
Narcor Mfg. Co., Inc., 1845 B'way, New York, N.Y. "Duplex"
Siph-O Products Corp., Boston, Mass.
Steele & Johnson Mfg. Co., Waterbury, Conn. "Essenjoy"
Success Dish Washer Mach. Co., Wooster, O.

WASHING MACHINES, Dish, Electric

Black & Decker Mfg. Co., Baltimore, Md. "Cinderella"
Colt's Patent Fire Arms Mfg. Co., Hartford, Conn. "Autosan"
Conover Co., Chicago, Ill.
Edgar (Robert) & Co., Cedar Rapids, Ia. "E-Z Way"
Fearless Dishwasher Co., Rochester, N. Y.
Friedley-Voshardt Co., Chicago, Ill. "Kleen Kwick"
Hill & Ketteling Mfg. Co., Berkeley, Cal.
Hobart Mfg. Co., Troy, O. "Crescent"
Hydro-Electric Mfg. Co., Milwaukee, Wis.
Insinger Co., Phila., Pa.
Kohler Co., Kohler, Wis.
Sanitary Dishwasher, Inc., Milwaukee, Wis. "Emancipator," "Liberator," "Victory"
Shank (Cyrus) Co., Chicago, Ill.
Standard Sanitary Mfg. Co., Pittsburgh, Pa.
Surgex Mfg. Co., Oakland, Cal.
Walker Dishwasher Corp., Chicago, Ill.
White Bear Corp., Chicago, Ill.

WASTE CANS—See Cans, Waste

WASTE COCKS—See Cocks, Stop and Waste

WASTE COTTON—See Wipings, Waste, Cotton

WASTE PAILS—See Cans, Waste

WASTE PAPER BASKETS—See Baskets, Waste Paper

WASTE RECEPTACLES, SELF-CLOSING — See Receptacles, Waste

WASTE WIPINGS—See Wipings, Waste, Cotton

WATCHES

Didisheim-Hipp Co., Inc., 22 W. 38th, New York, N. Y. "Locust," "Nassau" (Stop)
Ingraham (E.) Co., Bristol, Conn.
New Haven Clock Co., New Haven, Conn. "Lawson" (Football Timer); (Sportstimer); "Leonard," "Tip Top," "Tom Tom"
Sterling Stop-Watch Co., Inc., 15 E. 26th, New York "Pastor" (Stop)
Western Clock Co., La Salle, Ill. "Country Club," "Dax," "Pocket Ben"

WATCHES, Toy

Maryland Toy Mfg. Co., Baltimore, Md.
Mealy Mfg. Co., Baltimore, Md. (Winding and Non-winding)
Smith Bros., Providence, R. I.
Winchester & Woods, Inc., Baltimore, Md.

WATER CARRYING BAGS—See Bags, Water Carrying

WATER CIRCULATING PUMPS—See Pumps, Water Circulating

WATER CLOSET LATCHES—See Latches, Water Closet

WATER CLOSETS—See Closets, Water

WATER COLORS—See Colors, Water

WATER COOLERS—See Coolers, Water

WATER DIPPERS—See Dippers, Milk, Water, Etc.

WATER ELEVATORS—See Elevators, Water.

WATER FILTERS—See Filters, Water

WATER GAGES—See Gages, Water

WATER GENERATORS — See Generators, Hot Water

WATER GLASS—See Glass, Water

WATER HEATER CONTROLS—See Controls, Water Heater

WATER HEATERS, Fuel Oil—See Heaters, Water, Fuel Oil

WATER HEATER REGULATORS—See Regulators, Water Heater

WATER HEATERS—See Heaters, Water, Gas Radiation

WATER HEATERS, ELECTRICAL—See Heaters, Water, Electric

WATER MIXERS—See Mixers, Water

WATER MOTOR CLOTHES WASHING MACHINES—See Washing Machines, Clothes, Water Motor

WATER PIPE—See Pipe, Cast Iron, Gas and Water

WATER POLO BALLS—See Balls, Polo, Water

WATER PUTTY—See Putty, Water

WATER SOFTENERS—See Softeners, Water

WATER STONES—See Stones, Oil and Water

WATER SUPPLY SYSTEMS, Deep Well

Crane Co., Chicago, Ill.
Dayton Pump & Mfg. Co., Dayton, O.
Deming Co., Salem, O. "Oil-Rite," "Straight Line"
Goulds Pumps, Inc., Seneca Falls, N. Y. "CID"
Hudson (H. D.) Mfg. Co., Chicago, Ill.
Mast, Foos & Co, Springfield, O. "Buckeye"
Monarch Engineering Co., Dayton, O.
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O. (Hand, Wind Mill, Engine or Motor Power)
Worthington Pump & Mchy. Corp., 115 B'way, New York, N. Y.

WATER SUPPLY SYSTEMS, House, Automatic

Crane Co., Chicago, Ill.
Dayton Pump & Mfg. Co., Dayton, O. "Unisystem"
Decatur Pump Co., Decatur, Ill. "Burks" (Electric Gasoline)
Delco Appliance Corp., Rochester, N. Y.
Deming Co., Salem, O. "Atlas," "Marvel," "Oil-Rite"
Fairbanks, Morse & Co., Chicago, Ill.
Flint & Walling Mfg. Co., Kendallville, Ind. "Hoosier"
Fort Wayne Engineering & Mfg. Co., Fort Wayne, Ind. "Paul"
Hudson (H. D.) Mfg. Co., Chicago, Ill.
Kewanee Private Utilities Co., Kewanee, Ill.
Monarch Engineering Co., Dayton, O. "Standard Monarch"
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O. "Junior Self-Oiling," "Self-Oiling" (Open or Pressure Tank, Direct Discharge)
Roper (Geo. D.) Corp., Rockford, Ill.

WATER TOWERS—See Towers, Water and Windmill

WATER WELL VALVES—See Valves, Water Well

WATER WINGS

Ayvad Mfg. Co., 1103 Grand, Hoboken, N. J.
Coxey Silica Sand Co., Massillon, O.
Draper-Maynard Co., Plymouth, N. H.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Regina Swimming Devices Co., 29 E. 21st, New York, N. Y.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.

WATERERS, Hog

Anderson Mfg. Co., Des Moines, Ia. "Ideal," "Tip Top"
Bernard (Phillip) Co., Sioux City, Ia. "O. K."
Bushnell Pump Co., Bushnell, Ill.
Butler Co., Butler, Ind. "Automatic"
Celina Mfg. Co., Celina, O.
Close-To-Nature Co., Colfax, Ia.
Columbian Steel Tank Co., Kansas City, Mo.
Drew Line Co., Fort Atkinson, Wis.
Flint & Walling Mfg. Co., Kendallville, Ind. "Hoosier"
Hall Mfg. Co., Cedar Rapids, Ia. "Red Top"
Hastings Equity Grain Bin Mfg. Co., Hastings, Mich.
Heller-Aller Co., Napoleon, O.
Hudson (H. D.) Mfg. Co., Chicago, Ill.
Kewanee Implement Co., Kewanee, Ill.
Lorenzen Bros. Mfg. Co., Marshalltown, Ia.
McCollough (W. A.) & Son, Webster City, Ia. "Square Deal"
Milcor Steel Co., Milwaukee, Wis.
Mit-Shel Stamping Mfg. Co., Quincy, Ill.
Moore Mfg. Co., Waterloo, Ia. "Waterloo"
National Mfg. Co., Des Moines, Ia. "Ideal"
Nebraska & Iowa Steel Tank Co., Omaha, Neb. "Eaton," "Non-Freezing"
North Dakota Metal Culvert Co., Fargo, N. D.
Novelty Iron Wks., Sterling, Ill. "Handy"
Oakes Mfg. Co., Tipton, Ind.
Only Mfg. Co., Hawarden, Ia.
Pioneer Mfg. Co., Middlebury, Ind. "Sanitary"
Quinn Wire & Iron Wks., Boone, Ia. "Daisy"
Rippley Mfg. Co., Grafton, Ill.
Rock Island Mfg. Co., Rock Island, Ill. "Dewey"
St. Paul Corrugating Co., St. Paul, Minn. "Pruden"
Sheldon Engine & Sales Co., Waterloo, Ia.
Star Tank Co., Goshen, Ind.
Sterling Foundry Co., Sterling, Ill. "Best"
Stover Mfg. & Engine Co., Freeport, Ill.
Theiman Harvester Co., Inc., Albert City, Ia. "Bull Dog," "Little Sioux," "Little Sioux Lamp," "New Hot Nipple" (Also Automatic)
Western Hog Oiler Co., Washington, Ia.
Whitnell Mfg. Co., Des Moines, Ia.

WATERERS, Poultry—See Fountains, Poultry

WATERING BOWLS—See Bowls, Watering

WATERING POTS—See Pots, Watering

WATERING TROUGHS—See Troughs, Watering

WATERLESS COOKERS—See Cookers, Waterless

WATERLESS TOILETS—See Toilets, Waterless

WATERPROOF APRONS—See Aprons, Waterproof

WATERPROOF GLUE—See Glue, Waterproof

WATERPROOF PAINTS—See Paints, Waterproof

WATERPROOFING—See Dampproofing

WAX, Belt

(See also Dressing, Belt)

Atkins (E. C.) Co., Indianapolis, Ind. "Cantol"

WAX PAPER—See Paper, Wax

Du-All Mfg. Co., Geneva, O.
Du Pont (E. I.) De Nemours & Co., Inc., Wilmington, Del.
Farbo Wax Co., Baltimore, Md. "Cello-Wax"
Felco Mfg. & Products Co., 2243 Washington Av., New York, N. Y. "Nu Wax"
Fromeyer & Company, Cincinnati, O. "Jewel"
International Products Corp., Trenton, N. J. "Lusterol"
Johnson (S. C.) & Son, Racine, Wis.
Leiner (G. S.) & Co., 1280 Brook Av., New York, N. Y.
Liquid Veneer Corp., Buffalo, N. Y.
Marietta Paint & Color Co., Marietta, O.
Martin Varnish Co., Chicago, Ill.
Massury-Young Co., Charlestown, Mass. "Myco-Gloss"
Midway Chemical Co., Chicago, Ill. "Arowax"
Miracul Wax Co., St. Louis, Mo. "Dri-Brite"
Pioneer Mfg. Co., Cleveland, O. "Eze Way"
Pittsburgh Utilities, Inc., 11 W. 42nd, New York, N. Y. "Sta-Glo"
Sheffield Bronze Powder & Stencil Co., 5817 Kinsman Rd., Cleveland, O. "No-Rub"
Sherwin-Williams Co., Cleveland, O.
Socony-Vacuum Specialties, Inc., 26 B'way, New York, N. Y.
Speedwax Sales Co., 10 Boston, Newark, N. J.
Thompson Specialties, Inc., Springfield, Mass. "Tip-Top"
Van Tine Laboratories, Inc., 521 5th Av., New York, N. Y. "E. Z. Wax"

WAX POLISHES—See Polishes, Wax, and Wax Polish, Liquid

WAX, Prepared—See Polishes, Floor; also Polishes, Furniture

WAX REMOVERS—See Removers, Wax

WAX SEALS—See Seals, Wax

WAX TAPERS—See Tapers, Wax

WAXERS, Floor—See Machines, Floor, Electric

WEANERS, Calf and Colt

California Tanning Co., St. Louis, Mo.
Gatch Brush & Wire Goods Co., Baltimore, Md.
Imperial Bit & Snap Co., Racine, Wis. "Anti-Suck," "Kant-Suk," "Fuller," "Reichert"
Kees (F. D.) Mfg. Co., Beatrice, Neb.
Pratt (Wm. E.) Mfg. Co., Chicago, Ill.
Quinn Wire & Iron Wks., Boone, Ia. "Daisy," "Shaw"
Simonsen Iron Wks., Sioux Rapids, Ia. "So-Boss"
Wagner Specialty Co., Burlington, Wis. "Kant-Suk"
Warner Hdw. Spec. Co., Kansas City, Mo. "Porcupine"

WEANERS, Colt—See Weaners, Calf and Colt

WEATHER STRIP

Accurate Metal Weather Strip Co., 216 E. 26th, New York, N. Y. (Metal)
Algoma Net Co., Inc., Algoma, Wis.
All-Metal Weatherstrip Co., Chicago, Ill.
Allith-Prouty Co., Danville, Ill. (Garage)
American Metal Weather Strip Co., Grand Rapids, Mich.
Athey Co., Chicago, Ill.
Barringer, Elmer, Cleveland, O. "Barland," "Metal"
Bosley (D. W.) Co., Chicago, Ill. "Ajax," Ameco," "Atlas," "Bomeco," "Cushion Felt," "Cut Felt," "Double Contact," "Dust Seal," "Economy," "Excelsior," "Flexible," "Heat Seal," "Kopar," "Meta-Felt," "Metallic," "Nu-Felt," "Nu-Strip," "Sealit," "Seal-Strip," "Wind Seal"
Brawley, T. R., 275 20th, B'klyn, N. Y.
Burk & Fox, Forest, O. "Burfo"
Chamberlin Metal Weather Strip Co., Inc., Detroit, Mich.
Chicago Metal Weather Strip Co., Chicago, Ill.
Church (E. I.) & Co., West Hanover, Mass. "Axtell" (Metal)
Clendenin Bros., Inc., Baltimore, Md.
Dennis (W. J.) & Co., Chicago, Ill. "Clincher," "Draft Seal," "Flexible," Zero" (Metal)
Detroit Tire Cover & Specialty Co., Detroit, Mich. "Eskimo"
Diamond Metal Weather Strip Co., Columbus, O. "Capitol," "U-Put-On"
Dyer Mfg. Co., Milwaukee, Wis. (Cotton)
Eclat Rubber Co., Cuyahoga Falls, O. "Frost King"
Economy Metal Weatherstrip Co., Peoria, Ill. (Metal)
Federal Metal Weather Strip Co., Chicago, Ill.
Felters Co., Inc., Jackson, Mich. "No-Draft"
Felt Products Mfg. Co., Chicago, Ill. "Protecto"
Freeman (Chas. A.) Mfg. Co., Boston, Mass. "Invisible"
Gammeter (W. F.) Co., Cadiz, O. "Universal"
Gardner Wire Co., Chicago, Ill. "Holdfast"
General Weatherstrip Co., St. Louis, Mo. "Monarch," "Tac-Ear" (Metal)
Henry Airtight Weather Strip Co., Martinsville, Ind.
Higgin Mfg. Co., Newport, Ky.
Inlaid Floor Co., San Francisco, Cal.
[illegible] (Metal or Wood)
[illegible] (Metal)

Master Metal Strip Service, Inc., Chicago, Ill. "Exy-Ply"
Michaels Art Bronze Co., Covington, Ky. "Adjustable Astragals"
Michigan Engine Valve Co., Detroit, Mich. "Golden Metal"
Miller Rubber Co., Inc., Akron, O.
Newark Weather Strip & Screen Co., 7 Nevada, Newark, N. J.
Niagara Metal Weather Strip Co., Buffalo, N. Y.
Osgood (H. H.) & Co., Boston, Mass.
Prince, W. C., Boston, Mass.
Protective Ventilator & Screen Corp., 764 11th Av., New York, N. Y.
Pyramid Metals Co., Chicago, Ill.
Robbins Mfg. Co., Chicago, Ill. "Acme"
Russell-Peppler Co., Inc., 101 Park Av., New York, N. Y.
Sager Metal Weather Strip Co., Chicago, Ill.
Security Co., Detroit, Mich.
Southern Weather Strip Co., Orlando, Fla.
Thermwool Products Co., Inc., 360 Furman, B'klyn, N. Y. "Flexomold," "Servall"
Wilson Mfg. Co., Rochester, N. Y. "Fitz-All" (Door Seal)
Wirfs Corp., St. Louis, Mo. "Home Comfort"

WEATHER VANES—See Vanes, Weather

WEBBING, Cotton

Anchor Webbing Co., Pawtucket, R. I. "Awebco"
Hide Leather & Belting Co., Indianapolis, Ind.
Hooper (Wm. E.) & Sons Co., Phila., Pa. "Hooperwood"
Mallison Braided Cord Co., Athens, Ga.
Sturges Mfg. Co., Inc., Utica, N. Y.

WEBBING STRAPS—See Straps, Webbing

WEDGES, Axe, Hammer and Hatchet

Leetonia Tool Co., Leetonia, O.
Pratt (Wm. E.) Mfg. Co., Chicago, Ill.
Sawyer Belt Hook Co., Pawtucket, R. I.
Smith (Landon P.), Inc., 130 Coit, Irvington, N. J. "Grady," "Red Devil"

WEDGES, Box, Spoke and Tool

Bullard, E. W., Whitneyville, Conn. "Perfect Wedge"
Iron City Tool Works, Pittsburgh, Pa.
Roberts, George W., Centerville, Ind. "Paramount"
Sawyer Belt Hook Co., Pawtucket, R. I.
Woodruff (Walter W.) & Sons Co., Mt. Carmel, Conn.

WEDGES, Steel

Brunner & Lay, Chicago, Ill.
Collins Co., Collinsville, Conn. "Legitimus"
Evansville Tool Wks., Inc., Evansville, Ind. "T. T. W."
Granite City Tool Co., Inc., Barre, Vt. (Stone Splitting)
Hardsocg (Martin) Co., Pittsburgh, Pa.
Hess (Chas.) Co., 49-14 Metropolitan Av., B'klyn, N. Y.
Hubbard & Co., Pittsburgh, Pa.
Iron City Tool Wks., Pittsburgh, Pa.
Klein-Logan Co., Pittsburgh, Pa.
Leetonia Tool Co., Leetonia, O.
Livingston Co., Rockland, Me. "Pope"
McInnes Steel Co., Corry, Pa.
Oliver Iron & Steel Corp., Pittsburgh, Pa. "Tyrone"
Penn Seaboard Steel Corp., Phila., Pa.
Phillips (F.) & Son, Baltimore, Md.
Plumb (Fayette R.), Inc., Phila., Pa.
Pratt (Wm. E.) Mfg. Co., Chicago, Ill.
Prouty (C.) & Co., Eldred, Pa. (Saw)
Sawyer Belt Hook Co., Pawtucket, R. I.
Stanley Wks., New Britain, Conn.
Trow & Holden Co., Barre, Vt.
Vulcan Tool Mfg. Co., Quincy, Mass. (Stone Splitting)
Warren Axe & Tool Co., Warren, Pa. "Bull Dog"
Warren Tool & Forge Co., Warren, O. "Quikwerk"
Warwood Tool Co., Warwood, Wheeling, W. Va.
What Cheer Tool Co., What Cheer, Ia.
Wooding-Verona Tool Wks., Verona, Pa.
Woodruff (Walter W.) & Sons Co., Mt. Carmel, Conn.

WEDGES, Tool—See Wedges, Box, Spoke and Tool

WEDGES, Wooden—See Wedges, Box, Spoke and Tool

WEED CUTTERS—See Cutters, Weed

WEED KILLERS—See Killers, Weed

WEEDERS, Beet

American Fork & Hoe Co., Cleveland, O. "Tru-Temper"

WEEDERS, Flower—See Weeders, Garden and Lawn

WEEDERS, Garden and Lawn

WEEDERS, Garden and Lawn (Continued)

American Fork & Hoe Co., Cleveland, O. "Eureka," "Gem," "True Temper"
Animal Trap Co. of America, Lititz, Pa. "Trump"
Arcade Mfg. Co., Freeport, Ill.
B. & J. Mfg. Co., Springfield, O. "Rid-o-Weed"
Barker Mfg. Co., David City, Neb.
C-K-R Company, Cleveland, O. "Cronk"
Chicago Flexible Shaft Co., Chicago, Ill.
Cleveland Lawn Weeder Co., Cleveland, O.
Colvin Weeder Co., Chicago, Ill. (Dandelion)
Detco Mfg. Co., Oaks, Pa. "Little Wonder"
Ennis Mfg. Co., Reading, Pa.
E. Z. Lawn Edger Co., Los Angeles, Cal. (Weeder Cultivator)
Goodell Co., Antrim, N. H.
Granite State Mowing Machine Co., Hinsdale, N. H. "Duo-Disc"
Gray Iron Fdry. Co., Reading, Pa.
Gray Mfg. Co., Oakland, Cal. "Best-Ho"
Hall Mfg. Co., Cedar Rapids, Ia. "Midget"
Hills, Edwin, Plainville, Conn.
Hoeft & Co., Inc., North Chicago, Ill. "Moe's"
Imperial Bit & Snap Co., Racine, Wis.
Jelliff (C. O.) Mfg. Corp., Southport, Conn.
Johnson, J. Oliver, Chicago, Ill. "Comco"
Johnson (William), Inc., 36 Brenner, Newark, N. J.
Kees (F. D.) Mfg. Co., Beatrice, Neb.
Kingsbury Mfg. Co., Keene, N. H.
Marion Craftsman Tool Co., Marion, Ind. "Magic"
Michigan Wire Goods Co., Niles, Mich. "Androck"
Norcross (C. S.) & Sons, Bushnell, Ill. "Midget," "Out-U-Kum"
Ohio Art Co., Bryan, O.
Plumb Tool Co., Los Angeles, Cal.
Reichard (F. H.) Mfg. Co., Bangor, Pa. "Magic"
Rowe Mfg. Co., Galesburgh, Ill. "RO-HO" (Combination)
Southington Hdw. Co., Southington, Conn.
Stanley Wks., New Britain, Conn.
Stover Mfg. & Engine Co., Freeport, Ill.
Sythax Mfg. Co., Memphis, Tenn.
Union Fork & Hoe Co., Columbus, O. "Speedy"
United States Lock & Hdw. Co., Columbia, Pa.
Wonder Hoe Co., Fort Worth, Tex.
Wonder Mfg. Co., Inc., Cleveland, O.
Wrightsville Hdw. Co., Wrightsville, Pa.

WEEDERS, Lawn—See Weeders, Garden and Lawn

WEEDING FORKS—See Forks, Weeding

WEEDING HOOKS—See Weeders, Garden

WEIGHTS, Sash

American Lead Co., Pittsburgh, Pa.
American Mining Tool Co., Ottumwa, Ia.
Bartlett (A. F.) & Co., Saginaw, Mich.
Blatchard (E. W.) Co., Chicago, Ill. (Lead)
Boontoon Foundry Co., Boonton, N. J.
Borough Foundry Co., 280 N. Henry, B'klyn, N. Y.
Bowers, M. B., & Son, Hackettstown, N. J.
Brown (E. E.) & Co., Phila., Pa.
Carteret Fdry. Co., 2 Pacific Av., Jersey City, N. J.
Detroit Lead Pipe Wks., Detroit, Mich.
De Ved Bros., Inc., Baltimore, Md.
Drummond Mfg. Co., Louisville, Ky.
Enterprise Foundry Co., Rochester, N. Y.
Glascock Stove & Mfg. Co., Greensboro, N. C.
Grey Iron Casting Co., Mt. Joy, Pa.
Hastings Foundry & Iron Wks., Hastings, Neb.
Hubbard Foundry & Mach. Wks., Lynchburg, Va.
Indiana Fdry. Co., Indiana, Pa.
Iron City Foundry Co., Lebanon, Pa. "I. C. F."
Janney & Co., Montgomery, Ala.
Johnston & Jennings Co., Cleveland, O.
Keagy & Lear Mach. Co., Coshocton, O.
Lentz Fdry. Co., Bay City, Mich.
Lawrence Shot & Lead Co., Omaha, Neb.
Leavitt Mfg. Co., Urbana, Ill.
Levering Bros., Baltimore, Md.
Lewis & Egginton, Inc., 300 N. Henry, B'klyn, N.Y.
Limberger (Marks) & Son, 281 Borden Av., Long Island City, N. Y.
Los Angeles Foundry Co., Los Angeles, Cal.
Manco Mfg. Co., Bradley, Ill.
Menzel & Jeffery Co., Minneapolis, Minn.
National-Boston Lead Co., Boston, Mass.
National Lead Co., 111 B'way, New York, N. Y. (Lead)
Orr (Ewald) Est., Indianapolis, Ind.
Peck (Gus) Fdry. & Mfg. Co., Le Mars, Ia.
Price Evans Fdry. Corp., Chattanooga, Tenn.
Pugh Foundry Co., Kansas City, Mo.
Rodman Wire & Iron Wks., Boone, Ia.
Ransom Foundry Co., San Francisco, Cal.
Roanoke Iron & Bridge Wks., Roanoke, Va.
Rochester Lead Wks., Rochester, N. Y.
Selby Smelting Wks., San Francisco, Cal.
Somerville Iron Fdry. Co., Somerville, Mass.
Standard Foundry Co., Buffalo, N. Y.
Steuer Foundry Co., Atchison, Kan.
Tuscaloosa Iron Wks., Tuscaloosa, Ala.
United Lead Co., 111 B'way, New York, N. Y.
Waterbury Foundry Co., Waterbury, Conn.
Western Foundry & Sash Weight Co., St. Louis, Mo. "Crull"
Western Iron & Foundry Co., Wichita, Kan.
Windsor Mfg. Co., Milwaukee, Wis.
Wilson Foundry & Mach. Wks., Atlanta, Ga.
York Foundry & Engine Wks., York, Neb.

WELDING APPARATUS and SUPPLIES

MacLeod Co., Cincinnati, O.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
U. S. L. Battery Corp., Niagara Falls, N. Y.

WELDING COMPOUNDS—See Compounds, Welding

WELDING RODS—See Rods, Welding

WELDING TORCHES—See Torches, Brazing and Welding

WELDING WIRE—See Rods, Welding

WELDLESS CHAIN—See Chain, Weldless

WELL AUGERS—See Augers, Well

WELL BUCKETS—See Buckets, Well

WELL CHAIN—See Chain, Well

WELL CYLINDERS—See Cylinders, Well and Cistern

WELL DRIVE POINTS—See Points, Drive, Well

WELL PUMPS—See Pumps, Chain; also Pumps, House; also Pumps, Wooden; also Pumps, Well, Hand and Power

WELL STRAINERS—See Strainers, Well

WELL WHEELS—See Wheels, Well

WHEEL BOLTS—See Bolts, Wheel

WHEEL GOODS—See article desired

WHEEL TOYS—See article desired; also Mechanical Toys

WHEELBARROW SPRAYERS—See Sprayers, Wheelbarrow

WHEELBARROW WHEELS—See Wheels, Wheelbarrow

WHEELBARROWS, All Types and Classifications

American Steel Scraper Co., Sidney, O. "Creto," "Crown," "Handa," "No. 17," "Reliable"
Asheboro Wheelbarrow Co., Asheboro, N. C.
Buch Mfg. Co., Elizabethtown, Pa.
Case Crane & Kilbourne Jacobs Co., Columbus, O. "Ajax," "AX," "Blue Feather," "Columbus," "Domestic," "K. & J.," "Pan American," "Planet," "Star," "Victor"
Chattanooga Wheelbarrow Co., Chattanooga, Tenn. "Dixie Queen," "Golden Rod"
Fairbanks Co., 393 Lafayette, New York, N. Y.
General Wheelbarrow Co., Cleveland, O. "Akron"
Harrison (W. R.) & Co., Massillon, O.
Jackson Mfg. Co., Harrisburg, Pa.
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Lansing Co., Lansing, Mich.
Puffer-Hubbard Mfg. Co., Minneapolis, Minn. "American," "Easy Grip"
Sargent, Osgood & Roundy Co., Randolph, Vt.
Sidney Steel Scraper Co., Sidney, O. "Burro," "Haslup," "U. S."
Standard Scale & Supply Co., Pittsburgh, Pa.
Sterling Wheelbarrow Co., Milwaukee, Wis.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Toledo Wheelbarrow Co., Toledo, O. "Bull Frog," "Buckeye," "Clipper"
White Coaster Wagon Wks., Sheboygan Falls, Wis.

WHEELBARROWS, Children's

Children's Vehicle Corp., East Templeton, Mass.
Dayton Toy & Specialty Co., Dayton, O. "Daton"
Gendron Wheel Co., Toledo, O. "Pioneer"
Gibbs Mfg. Co., Canton, O.
Hustler Toy Corp., Sterling, Ill. "Jack and Jill"
Kirk-Latty Mfg. Co., Cleveland, O.
Maxcy-Barton Organ Co., Chicago, Ill. "Jumping Jack Rabbit"
Mengel Co., St. Louis, Mo.
Monarch Products Co., Tiffin, O.
Murray-Ohio Mfg. Co., Cleveland, O. "Steelcraft"
North-Western Stamping Co., Burlington, Ia.
Omaha Toy Mfg. Co., Omaha, Neb.
Paris Mfg. Co., South Paris, Me.
Pressed Metal Products Co., Cleveland, O. "Teddy-Wheel-Bear-O"
Sheboygan Coaster & Wagon Wks., Sheboygan, Wis.
Smith (S. A.) Mfg. Co., Brattleboro, Vt.
South Bend Toy Mfg. Co., South Bend, Ind.
Steel Stamping Co., Lorain, O. "Buster," "Giant Toy," "Little Giant," "Mid-Giant"
Toledo Metal Wheel Co., Toledo, O. "Blue Streak"
Toy Company of America, Appleton, Wis.
Toy Kraft Co., Wooster, O.
U. & I. Toy Co., Lorain, O.
Wester Mfg. Co., Boone, Ia.
White Coaster Wagon Wks., Sheboygan Falls, Wis.
Whitney Bros. Co., Marlboro, N. H.

WHEELS, BUFFING—See Wheels, Polishing

WHEELS, Wagon

Corcoran Mfg. Co., Washington, Ind.
Empire Mfg. Co., Quincy, Ill.
Havana Metal Wheel Co., Havana, Ill. (Farm Wagon)
Hoopes Bros. & Darlington, West Chester, Pa.
Jones (Phineas) & Co., Inc., Hillside, N. J.
Lansing Co., Lansing, Mich.
Lebzelter (Phillip) & Son Co., Lancaster, Pa. "Star," "Warner"
Muncie Wheel Co., Muncie, Ind. "Bannister"
Shortsville Wheel Co., Shortsville, N. Y. "Sweet's"
Stinson (Edward) Mfg. Co., Baltimore, Md.
Union City Wheel Co., Union City, Ind.

WHEELS, Corundum—See Wheels, Grinding, Emery and Corundum

WHEELS, Emery—See Wheels, Grinding, Emery and Corundum

WHEELS, Grinding, Emery and Corundum

American Emery Wheel Wks., Providence, R. I.
Atkins (E. C.) Co., Indianapolis, Ind. "Acrolite," "Ferrolite"
Bracher Co., Belleville, N. J.
Bridgeport Safety Emery Wheel Co., Bridgeport, Conn.
Carborundum Co., Niagara Falls, N. Y. "Aloxite"
Chicago Wheel & Mfg. Co., Chicago, Ill.
Cleveland Quarries Co., Cleveland, Ohio. "Sterbon," "Sterlith"
Cortland Grinding Wheels Corp., Chester, Mass. "Carbora," "Oxaluma"
De Sanno (A. P.) & Son, Phila., Pa. "Radiac"
Detroit-Star Grinding Wheel Co., Detroit, Mich. "Staralon," "Staralox"
Goodrich Grinding Wheel Co., Chicago, Ill.
Luther Grinder & Tool Co., Milwaukee, Wis.
Norton Co., Worcester, Mass.
Pittsburgh Grinding Wheel Co., Rochester, Pa. (Abrasive only)
Prairie du Chien Tool Co., Prairie du Chien, Wis. "Badger," "Sturdibilt," "Utility"
Richards-Wilcox Mfg. Co., Aurora, Ill.
Simonds Saw & Steel Co., Fitchburg, Mass.
Vitrified Wheel Co., Westfield, Mass.
Westfield Grinding Wheel Co., Westfield, Mass.
White (L. & I. J.) Co., Division of the Simonds-Worden-White Co., Dayton, O. "Dayton"
Wisconsin Abrasive Co., Milwaukee, Wis. "Minalox"

WHEELS, Hand, Truck

Clark (Geo. P.) Co., Windsor Locks, Conn.
Fairbanks Co., 393 Lafayette, New York, N. Y.
French & Hecht, Inc., Davenport, Ia. (Push Cart)
Jarvis & Jarvis, Palmer, Mass.
Lansing Co., Lansing, Mich.
Mobile Pulley & Machine Wks., Mobile, Ala.
Orangeville Mfg. Co., Orangeville, Pa.

WHEELS, Polishing

Bickford & Francis Belting Co., Buffalo, N. Y.
Booth Felt Co., Inc., 463 19th, Brooklyn, N. Y.
Hunt (C. B.) & Son, Salem, O. "Quick as Wink"
Ohio Buff & Mfg. Co., Cincinnati, O.
Osborn Mfg. Co., Cleveland, O. "Disc-Center," "Economy," "Monarch," "Riehl," "Triumph" (Tampico & Wire)

WHEELS, Roller Skate

Matthews Mfg. Co., Worcester, Mass.

WHEELS, Well

American Foundry & Mfg. Co., St. Louis, Mo.
Colebrookdale Iron Co., Boyertown, Pa.
Wrightsville Hdw. Co., Wrightsville, Pa.

WHEELS, Wheel Barrow

Atlas Car & Mfg. Co., Cleveland, O.
Case Crane & Kilbourne Jacobs Co., Columbus, O. "K. & J.," "Lewis"
French & Hecht, Inc., Davenport, Ia.
Jackson Mfg. Co., Harrisburg, Pa.
Lancaster Iron Works, Lancaster, Pa.
Little (J. R.) Metal Wheel Co., Quincy, Ill.
Mullins Body Corp., Salem, O.
Orangeville Mfg. Co., Orangeville, Pa.
Western Wheelbarrow Mfg. Co., South Ft. Smith, Ark.

WHET STONES—See Stones, Whet

WHIFFLE TREE BOLTS—See Bolts, Whiffle Tree

WHIP SAWS—See Saws, Whip

WHIPPING SPOONS—See Spoons, Whipping

WHIPS

American Whip Co., Westfield, Mass.

WASHERS, Iron and Steel

Acme Mfg. & Gasket Co., Phila., Pa.
American Equipment Co., Norristown, Pa.
American Nut & Bolt Fastener Co., Pittsburgh, Pa.
American Ring Co., Waterbury, Conn.
Ames (W.) & Co., 417 Communipaw Av., Jersey City, N. J.
Atlas Tack Corp., Fairhaven, Mass.
Autoscrew Co., 355 W. Broadway, New York, N. Y. (Monel Metal)
Bettcher Stamping & Mfg. Co., Cleveland, O.
Bonney Forge & Tool Wks., Allentown, Pa.
C-K-R Company, Cleveland, O.
Clark Bros. Bolt Co., Noble Rd., Milldale, Conn.
Coatesville Plate Washer Co., Coatesville, Pa. (Plate)
Columbus Bolt Wks. Co., Columbus, O.
D'Arcy Spring Co., Kalamazoo, Mich.
Economy Screw Corp., Chicago, Ill.
Frantz Mfg. Co., Sterling, Ill.
Gasket Supply Co., Phila., Pa. "Right"
Griffin Mfg. Co., Erie, Pa.
Hager (C.) & Sons Hinge Mfg. Co., St. Louis, Mo. (Wrought)
Hoffeld (R.) & Co., Buffalo, N. Y.
Hubbard Spring Mfg. Co., Pontiac, Mich.
Interstate Iron & Steel Co., Chicago, Ill.
Joliet Wrought Washer Co., Joliet, Ill.
Kales Stamping Co., Detroit, Mich.
Konigslow (Otto) Mfg. Co., Cleveland, O.
Lamson & Sessions Co., Cleveland, O.
Massachusetts Mach. Shop, Boston, Mass.
Master Products Co., Cleveland, O. (Wrought)
National Mfg. Co., Sterling, Ill.
Newark Malleable Iron Wks., 357 Wilson Av., Newark, N. J. "Victor"
New England Bolt & Steel Co., Boston, Mass.
Oakes Co., Indianapolis, Ind.
Oliver Iron & Steel Co., Pittsburgh, Pa.
Pheoll Mfg. Co., Chicago, Ill.
Pittsburgh Screw & Bolt Co., Pittsburgh, Pa.
Quadriga Mfg. Co., Chicago, Ill.
Reliance Mfg. Co., Massillon, O.
Republic Steel Co., Upson Nut Div., Cleveland, O. "Upson"
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y. "Empire"
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
St. Louis Screw & Bolt Co., St. Louis, Mo.
Sessions (J. H.) & Son, Bristol, Conn.
Smith (Thos.) Co., Worcester, Mass.
Stanley Wks., New Britain, Conn.
Steele & Johnson Mfg. Co., Waterbury, Conn.
Sweet (A. L.) Iron Wks., Medina, N. Y. "O. G."
United Screw & Bolt Corp., Cleveland, O.
Walworth Co., Boston, Mass.
Western Fdry. & Sash Weight Co., St. Louis, Mo.
Worcester Stamped Metal Co., Worcester, Mass.
Wrought Washer Mfg. Co., Milwaukee, Wis.

WASHERS, Lead

Acme Mfg. & Gasket Co., Phila., Pa.
American Casting & Mfg. Corp., 90 Main, B'klyn, N. Y.
American Smelting & Refining Co., San Francisco, Cal.
Barwood (L. J.) Mfg. Co., Stoneham, Mass.
Cleveland Graphite-Bronze Co., Cleveland, O.
Edwards Mfg. Co., Cincinnati, O.
Emrich, Philip, Cincinnati, O.
Field (R. B.) & Co., Worcester, Mass.
Gasket Supply Co., Red Hill, Pa.
Globe Iron Roofing & Corrugating Co., Inc., Newport, Ky.
Klauer Mfg. Co., Dubuque, Ia.
Littleford Bros., Cincinnati, O.
Massachusetts Machine Shop, Inc., Boston, Mass.
National-Boston Lead Co., Boston, Mass.
National Lead Co., 111 B'way, New York, N. Y.
New Delphos Mfg. Co., Delphos, O.
Newport Rolling Mill Co., Newport, Ky.
Quadriga Mfg. Co., Chicago, Ill.
Scott Roofing & Mfg. Co., Cincinnati, O.
Souther (E. E.) Iron Co., St. Louis, Mo.
Wheeling Corrugating Co., Wheeling, W. Va.

WASHERS, Leather

Acme Mfg. & Gasket Co., Phila., Pa.
Auburn Leather Goods Co., Hartford, Conn. "Algco"
Barwood (L. J.) Mfg. Co., Stoneham, Mass.
Bickford & Francis Belting Co., Buffalo, N. Y.
Chicago Rawhide Co., Chicago, Ill.
Chicago Specialty Mfg. Co., Chicago, Ill.
Detroit Leather Wks., Detroit, Mich.
Excelsior Leather Washer Mfg. Co., Rockford, Ill. "X. L."
Field (R. B.) & Co., Worcester, Mass, "Fieldco"
Flexement Corp., Muskegon, Mich.
Gasket Supply Co., Phila., Pa. "Right"
General Tanning Corp., Irvington, N. J.
Graton & Knight Mfg. Co., Worcester, Mass. "G. & K."
Hide Leather & Belting Co., Indianapolis, Ind.
Hoffeld (R.) & Co., Buffalo, N. Y.
Holland Rubber Co., 26 Warren, New York, N. Y.
Hunt (Henry C.) Co., 261 Franklin, Boston, Mass.
Illinois Mechanical Leather Co., Chicago, Ill.
Judd & Leland Mfg. Co., Clifton Springs, N. Y.
Kendrick Valve & Washer Co., Syracuse, N. Y.
Leather Parts Co., Indianapolis, Ind.
Marsh (Chas. W.) Co., Muskegon, Mich.
Simplex Mfg. Co., Auburn, N. Y. "Simco"
Sutherland Leather & Felt Co., Detroit, Mich.

WASHERS, Lock

(See also Nuts, Lock)

American Nut & Bolt Fastener Co., Pittsburgh, Pa. "Anti-Link," "Kantlink"
Cap Screw & Nut Co., 38 Renwick, New York, N. Y.
Eaton Mfg. Co., Massillon, O. "Reliance"
Heiz & Heiz, Bush Terminal Bldg., B'klyn, N. Y. "H-H"
Hobbs Mfg. Co., Worcester, Mass.
Jenckes (E.) Mfg. Co., Worcester, Mass.
Mansfield Lock Washer Co., Detroit, Mich. "Kantlink"
National Lock Washer Co., 40 Herman, Newark, N. J. "Kantlink"
National Umbrella Frame Co., Germantown, Phila., Pa. "Never Slip"
Oliver Iron & Steel Corp., Pittsburgh, Pa.
Palnut Co., Irvington, N. J.
Parker Metal Goods Co., Worcester, Mass.
Positive Lock Washer Co., 181 Miller, Newark, N. J. "Kantlink," "Keystone," "Non-Link Positive"
Premax Products, Inc., Niagara Falls, N. Y.
Shakeproof Lock Washer Co., Chicago, Ill.
Washburn Company, Worcester, Mass. "Shurlox"
Western Wire Products Co., St. Louis, Mo. "W. W."

WASHERS, Mica, Insulation, Etc.

American Mica Wks., 47 West, New York, N. Y.
Arguto Oilless Bearing Co., Phila., Pa.
Asheville Mica Co., Biltmore, N. C.
Mica Insulator Co., 200 Varick, New York, N. Y.
Schoonmaker (A. O.) Insulation Co., Inc., 30 University Pl., New York, N. Y.

WASHERS, Nickel Plated

Russell (Jno. M.) Mfg. Co., Inc., Naugatuck, Conn.
Wrought Washer Mfg. Co., Milwaukee, Wis.

WASHERS, Rubber

Auburn Leather Goods Co., Hartford, Conn.
Canfield Rubber Co., Bridgeport, Conn.
Chicago Specialty Mfg. Co., Chicago, Ill.
DuCharme Products, Inc., 620 Western Reserve Bldg., Cleveland, O. "Perfection" (Composition)
Durst Mfg. Co., 468 B'way, New York, N. Y.
Goodwin Mfg. Co., Cleveland, O. "Black Cat"
Holland Rubber Co., 26 Warren, New York, N. Y.
Keystone Brass & Rubber Co., Phila., Pa.
La Favorite Rubber Mfg. Co., Paterson, N. J.
Laurel Co., Garfield, N. J.
Rodale Mfg. Co., Emaus, Pa.
Union Rubber & Asbestos Co., Trenton, N. J.
U. S. Rubber Co., 1790 B'way, New York, N. Y.
Voorhees Rubber Mfg. Co., 105 Hudson, New York, N. Y.
Whitehead Bros. Rubber Co., Trenton, N. J.

WASHERS, Square

Coatesville Plate Washer Co., Coatesville, Pa.
Wrought Washer Mfg. Co., Milwaukee, Wis.

WASHERS, Steel—See Washers, Iron and Steel

WASHERS, Stopbead and Screw

Barrows Lock Wks. of Yale & Towne Mfg. Co., Lockport, Ill.
Corbin, P. & F., New Britain, Conn.
Sager Lock Wks. of Yale & Towne Mfg. Co., No. Chicago, Ill.
Sargent & Co., New Haven, Conn.
Yale & Towne Mfg. Co., Stamford, Conn.

WASHERS, Vacuum, Hand Suction

Burlingame Mfg. Co., Syracuse, N. Y. "Vac Cup"
Childers, C. T., Galesburg, Ill. "Baby Rapid," "Rapid," "Rapid Junior"
Kautenberg (W. E.) Co., Inc., Freeport, Ill. "Economy"
Mosheik (P.) & Son, Chicago, Ill.
Rullman Vacuum Washer Co., Omaha, Neb.
Stalker (Leo) & Co., Cedar Rapids, Ia. "Betty Bubbles"
Stuber & Kuck Co., Peoria, Ill. "Wendell"

WASHERS, Vehicle

Acme Mfg. & Gasket Co., Phila., Pa.
American Brush Mfg. Co., Portland, Ore. "Ambruco"
American Textile Products Co., East Cleveland, O. "No-Mar"
Binks Mfg. Co., Chicago, Ill.
Champion Pneumatic Mchy. Co., Chicago, Ill.
Fuller Brush Co., Hartford, Conn.
Gaylord Mfg. Co., Paterson, N. J.
Globe Mfg. Co., Battle Creek, Mich.
Heaney Mfg. Co., Boston, Mass.
Her-Gen Mfg. Co., Chicago, Ill.
Hertzberg (H.) & Son, 41 E. 11th, New York, N. Y. "Cleansbest"
Hicks (Howard A.) Brush Co., Denver, Col.
Hygenia Brush Co., 9 May, Worcester, Mass. "Ideal"
Ideal Clamp Mfg. Co., 200 Bradford, B'klyn, N. Y. "Ace"
Maxwell Brushes, Inc., 213 E. 144th, New York, N. Y. (Automobile)
Muller, Edward, West New York, N. J. "Reliable"
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O.
North Ridge Brush Co., Freeport, Ill.
Osborne Mfg. Co., Cleveland, O.
Persinger & Co., Minneapolis, Minn. "Allen"
Raban, W. A., Port Chester, N. Y. "Westchester"
Rennous, Kleinle & Co., Baltimore, Md. "Arkaco," "Fitsit"
Rippley Mfg. Co., Grafton, Ill. "O. K."
Ryan & Long, Appleton, Wis. "Perfection"
Sanitax Brush Co., Chicago, Ill.
Schaffer, N. S., Rochester, N. Y. "Superior"
Smith (Jos. N.) & Co., Detroit, Mich.
Tempco Mfg. Co., Chicago, Ill. "Peerless"
Twenty Purpose Sprinkler-Filler Co., Peoria, Ill.
U. S. Specialty Co., Boston, Mass. "Hecla"
Watson-Webber Co., Auburn, Me. "Flexite Magic Mitt"
Wayne Co., Fort Wayne, Ind. (Automobile)
Wilman Co., Toledo, O. "Sponjoff" (Sponge)
Wizard Washer & Wringer Wks., Canastota, N. Y.

WASHING MACHINE DRAINERS—See Drainers, Washing Machine

WASHING MACHINE RINSING TUBS—See Tubs, Rinsing

WASHING MACHINES, Clothes, Automatic

Fisher (Adam) Mfg. Co., St. Louis, Mo. "Torrent"

WASHING MACHINES, Clothes, Electric

Almetal Mfg. Co., St. Louis, Mo. "Pollyanna"
Altorfer Bros. Co., Peoria, Ill. "ABC," "ABC Companion," "Alco," "Apartment," "Playmayd," "Spinner," "Super Electric"
American Ironing Machine Co., Algonquin, Ill. "Simplex"
Apex Electrical Mfg. Co., Cleveland, O.
Automatic Washer Company, Newton, Ia. "Challenger," "Sentinel"
Barlow & Seelig Mfg. Co., Ripon, Wis. "Speed Queen," "Star"
Barton Corp., West Bend, Wis.
Birtman Electric Co., Chicago, Ill. "Bee-Vac," "Utility"
Black & Decker Mfg. Co. (Towson Heights), Baltimore, Md. "Cinderella"
Blackstone Mfg. Co., Jamestown, N. Y.
Bluffton Mfg. Co., Findlay, O. "Women's Friend"
Boss Washing Mach. Co., Norwood Station, Cincinnati, O. "Banner," "Champion," "Faultless," "Perfection," "Safety Bar," "Sterling," "Thermo," "Uneeda"
Brammer Washing Machine Co., Davenport, Ia. "Conlon," "Knoxall," "Thrift," "Wayhand," "Western"
Chicago Dryer Co., Chicago, Ill.
Coffield Washer Co., Dayton, O. "Quick"
Conlon Corp., Chicago, Ill. "Hold Heet"
Cope-Swift Co., Inc., Detroit, Mich. "New Day Crystal," "Safety"
Crystal Co., Detroit, Mich.
Decker (L. M.) Co., Omaha, Neb. "Decker-Rullman"
Delite Mfg. Co., Bryan, O.
Dexter Co., Fairfield, Ia. "Climax," "Cruiser," "Duchess," "Fastwin," "Royale," "Solo," "Speedex"
Easy Washing Machine Corp., Syracuse, N. Y.
Eden Service Co., Springfield, O. "Edenette"
Federal Electric Co., Chicago, Ill. "Fedelco," "Federal Princess," "Federal Triumph"
Fem Co., Portland, Ore. "DeLuxe"
Frederick Co., Chicago, Ill.
Gainaday Electric Co., Pittsburgh, Pa.
Gem Electric Washing Machine Co., Dayton, O.
General Electric Co., Bridgeport, Conn.
General Electric Co., Schenectady, N. Y.
General Utilities Mfg. Co., Detroit, Mich. "Sunnysuds"
Getz Power Washer Co., Morton, Ill. "American Beauty"
Geyser Washing Machine Co., Chicago, Ill. "Baby"
Graybar Electric Co., 420 Lexington Av., New York, N. Y.
Grinnell Washing Mach. Corp., Grinnell, Ia. "Laundry Queen," "Princess," "Regal"
Haag Bros. Co., Peoria, Ill. "Eighty," "Nuway," "Twin-Tex," "Vortex"
Handi Appliance Corp., Buffalo, N. Y.
Hart (Wallace B.) Inc., 8 E. 34th, New York, N. Y. "Hart-Arora"
Horton Mfg. Co., Fort Wayne, Ind. "Emerald," "Perfect 36," "Pioneer"
Hurley Machine Co., Chicago, Ill. "Thor"
Johnson Washer Co., Div. of Apex Electrical Mfg. Co., Oakland, Cal.
Keystone Washing Machine Co., Inc., Shoemakersville, Pa.
Kohler Co., Kohler, Wis.
Landers, Frary & Clark, New Britain, Conn. "Universal"
Laun-Dry-Ette Corp., Cleveland, O.
Lisle Corp., Clarinda, Ia. "New Clarinda," "Whirl Vac"
Little Giant, Inc., Oakland, Cal.
Major Appliance, Inc., Peoria, Ill.
Maytag Co., Newton, Ia.
Meadows Mfg. Co., Bloomington, Ill. "Greyhound," "Laundrola"

WASHING MACHINES, Clothes, Electric (Continued)

Minier Mfg. Co., Peoria, Ill.
Modern Laundry Machine Mfg. Co., Chicago, Ill. "Mola"
Morse, Frank W., Boston, Mass. (Attach to Vacuum Cleaner)
National Motor Co., Springfield, O.
National Sales & Mfg. Co., Des Moines, Ia.
National Sewing Mach. Co., Belvidere, Ill. "Happy Day"
Nineteen Hundred Corp., Binghamton, N. Y. "Cataract," "1900 Whirlpool," "De Luxe," "Imperial," "Niagara"
One Minute Washer Co., Newton, Ia.
Pine-Ihrig Machine Co., Oshkosh, Wis. "Ihrig," "Lester"
Prima Mfg. Co., Inc., Sidney, O. "Spin-Dry"
Richmond Cedar Works, Richmond, Va.
Rite-Way Washing Machine Co., San Francisco, Cal.
Savage Arms Corp., Utica, N. Y.
Silvers Mfg. Co., Waterloo, Ia.
Stewart Die Casting Corp., Div. of Stewart-Warner Corp., Chicago, Ill. "Rite Way"
Thermos Washer Co., Perry, Ia. "Kibby's"
Triplex Washing Machine Corp., Chicago, Ill.
Trojan Mfg. Co., Erie, Pa.
United Engine Co., Lansing, Mich.
Vac-A-Tap Syndicate, Holland, Mich.
Victory Washer Co., Ltd., San Francisco, Cal.
Voss Bros. Mfg. Co., Davenport, Ia. "Vanity," "Voss-Floto-Plane"
Vulcan Mfg. Co., Kansas City, Mo. "Faultless"
Westinghouse Elec. & Mfg. Co., Mansfield, O.
Whirldry Corp., New Haven, Conn.
Williamson (H. E.) Co., Los Angeles, Cal.
Woodrow Washing Mach. Co., Pella, Ia. "Rust Proof"
Zenith Machine Co., Duluth, Minn.

WASHING MACHINES, Clothes, Engine Power

Altorfer Bros. Co., Peoria, Ill. "ABC," "Alco," "Dolly," "Liberty Bell," "Progress"
Automatic Washer Company, Newton, Ia. "Duo-Disc"
Barlow & Seelig Mfg. Co., Ripon, Wis. "Speed Queen"
Blackstone Mfg. Co., Jamestown, N. Y.
Brammer Washing Machine Co., Davenport, Ia. "O. K."
Conlon Corp., Chicago, Ill.
Decker (L. M.) Co., Omaha, Neb. "Decker-Rullman"
Dexter Co., Fairfield, Ia. "Climax," "Cruiser," "Duchess," "Fairfield," "Packard," "Tub"
Easiest Way Mfg. Co., Sandusky, O.
Fairbanks, Morse & Co., Chicago, Ill. "Eclipse," "Fairday"
Finucane (Bernard E.) Co., Rochester, N. Y. "Washerette"
G. & D. Mfg. Co., Streator, Ill. "Farmer's Friend"
Getz Power Washer Co., Morton, Ill. "American Beauty"
Haag Bros. Co., Peoria, Ill. "Eighty," "Nuway," "Twin," Vortex"
Hirschy Co., Duluth, Minn.
Horton Mfg. Co., Fort Wayne, Ind. "Emerald," "Perfect 36," "Pioneer"
King Washing Mach. Co., Wolcott, Ia.
Klean Kwick Washer Co., Cedar Rapids, Ia. "Twin"
Knoll Mfg. Co., Reading, Pa. "Queen"
Maytag Co., Newton, Ia.
Meadows Mfg. Co., Bloomington, Ill. "Family," "Safety,"
Michigan Washing Mach. Co., Muskegon, Mich. "Muskegon"
Minier Mfg. Co., Peoria, Ill. "Kill-Kare," "2-in-1"
One Minute Washer Co., Newton, Ia. "Laundry Maid"
Richmond Cedar Wks., Richmond, Va.
Sandusky Washer Co., Sandusky, O.
Schroeder (S. E.) Mfg. Co., Minier, Ill.
Sheldon Engine & Sales Co., Waterloo, Ia.
Sieverkropp Engine Co., Racine, Wis.
Stover Mfg. & Engine Co., Freeport, Ill. "Good"
Superior Mach. Co., Sterling, Ill. "Simplex," "Sterling," "Submarine," "Success"
United Engine Co., Lansing, Mich. "Banner"
Voss Bros. Mfg. Co., Davenport, Ia. (Gas)
Vulcan Mfg. Co., Kansas City, Mo. "Faultless"
Wayne Mfg. Co., St. Louis, Mo. "Royal," "Wamanco"
White Lily Mfg. Co., Davenport, Ia. "De Luxe"
Woodrow Washing Mach. Co., Pella, Ia. "Tilting Twin"

WASHING MACHINES, Clothes, Gasoline Motor

Altorfer Bros. Co., Peoria, Ill. "ABC," "Companion," "Playmayd"
Boss Washing Machine Co., Norwood Station, Cincinnati, O. "Banner," "Champion," "Faultless," "Perfection," "Sterling," "Thermo," "Uneeda"
Brammer Washing Machine Co., Davenport, Ia. "Knoxall," "Thrift," "Wayhand," "Western"
Dexter Co., Fairfield, Ia.
Haag Bros. Co., Peoria, Ill. "Twin-Tex"
Horton Mfg. Co., Fort Wayne, Ind. "Emerald," "Perfect 36," "Pioneer"
Hurley Machine Co., Chicago, Ill. "Thor"
One Minute Washer Co., Newton, Ia.
Voss Bros. Mfg. Co., Davenport, Ia.

WASHING MACHINES, Clothes, Hand Power

Altorfer Bros. Co., Peoria, Ill. "ABC," "Community"
Barlow & Seelig Mfg. Co., Ripon, Wis. "Big 3"
Boss Washing Mach. Co., Norwood Station, Cincinnati, O. "Banner," "Champion," "Faultless," "Perfection," "Sterling," "Thermo," "Uneeda"
Boyson Mfg. Co., St. Albia, Ia.
Brammer Washing Machine Co., Davenport, Ia. "Knoxall," "Thrift," "Wayhand," "Western"
Brown Clutch Co., Sandusky, O. "Dandy"
Burlingame Mfg. Co., Syracuse, N. Y. "Easy Type," "Vac Cup"
Christensen (H. K.) Mfg. Co., Fort Atkinson, Wis.
Cizek Bros. Mfg. Co., Clutier, Ia. "Iowa King," "Two-in-One"
Continental Steel Corp., Kokomo, Ind. (Galvanized)
Decker (L. M.) Co., Omaha, Neb. "Decker-Rullman," "Monitor"
Dexter Co., Fairfield, Ia. "Cruiser," "Duchess," "Iowa," "Woman's Friend"
Duette Mfg. Co., 225 4th Av., New York, N. Y. (Also Dry Cleaning)
Easiest Way Mfg. Co., Sandusky, O.
Edwards Mfg. Co., Middletown, Ind. "Favorite," "Perfection"
Getz Power Washer Co., Morton, Ill.
Hayes Mfg. Co., Kansas City, Mo. "Adams"
Household Eng'g Co., Springfield, Mass.
Kiel Mfg. Co., Albert Lea, Minn.
Laundry Queen Washer Co., Centerville, Ia.
Lisk Mfg. Co., Ltd., Canandaigua, N. Y.
Maytag Co., Newton, Ia. "Pastime"
Michigan Washing Mach. Co., Muskegon, Mich. "High Speed," "Two-Speed"
1900 Washer Co., Binghampton, N. Y.
One Minute Washer Co., Newton, Ia.
Richmond Cedar Wks., Richmond, Va. "Clipper," "F. F. V.," "Lightning," "Majestic," "Matchel"
Ross, C. E., Lincoln, Ill. "World's Washer"
Sandusky Washer Co., Sandusky, O. "One Minute"
Sheer (H. M.) Co., Quincy, Ill. "Cascade"
Superior Mach. Co., Sterling, Ill. "Safety High Speed"
Triplex Washing Machine Co., Chicago, Ill.
United Engine Co., Lansing, Mich.
Victor Mfg. Co., Leavenworth, Kan. "Wonder Washer"
Wayne Mfg. Co., St. Louis, Mo. "Superior," "Wamanco"
Wendell Vacuum Washer Co., Leipsic, O.
White Lily Mfg. Co., Davenport, Ia. "Hummer"

WASHING MACHINES, Clothes, Toy

Buffalo Toy & Tool Wks., Buffalo, N. Y. "Dolly's Washer"
Edwards Mfg Co., Middletown, Ind. "Wee Washer"
Jefferson Electric Co., Bellwood, Ill. "Jiffy-Jeff"

WASHING MACHINES, Clothes, Water Motor

Altorfer Bros. Co., Peoria, Ill. "ABC"
American Washer Co., St. Louis, Mo. "O-Joy"
American Water Motor Co., Columbus, O.
Boss Washing Mach. Co., Norwood Station, Cincinnati, O. "Banner," "Champion," "Faultless," "Perfection," "Sterling," "Thermo," "Uneeda"
Decker (L. M.) Co., Omaha, Neb. "Decker-Rullman"
Dexter Co., Fairfield, Ia.
Easiest Way Mfg. Co., Sandusky, O.
Handi-Appliance Co., Inc., Chandler, Buffalo, N. Y.
Mermaid Dish Washer Co., Middletown, Conn.
Michigan Washing Mach. Co., Muskegon, Mich. "Niagara," "Premier"
National Motor Co., Springfield, O.
1900 Washer Co., Binghamton, N. Y.
Richmond Cedar Wks., Richmond, Va. "R. C. W."
Sandusky Washer Co., Sandusky, O. "One Minute"
United Engine Co., Lansing, Mich.
Wayne Mfg. Co., St. Louis, Mo. "Royal"
White Lily Mfg. Co., Davenport, Ia.
Yost Superior Co., Springfield, O.

WASHING MACHINES, Dish

Dietz Mfg. Co., Findlay, Cincinnati, O. "Drumfire"
Edgar (Robert) & Co., Cedar Rapids, Ia.
Friendly Products Co., Boston, Mass.
Great Western Mfg. Co., La Porte, Ind. "H-B Automatic"
Knox Motors Associates, Springfield, Mass.
Metropolitan Eng'g Co., 1250 Atlantic Av., B'klyn, N. Y.
Morgan Home Products, Inc., Buffalo, N. Y. "Darlo"
Narcor Mfg. Co., Inc., 1845 B'way, New York, N.Y. "Duplex"
Siph-O Products Corp., Boston, Mass.
Steele & Johnson Mfg. Co., Waterbury, Conn. "Essenjoy"
Success Dish Washer Mach. Co., Wooster, O.

WASHING MACHINES, Dish, Electric

Black & Decker Mfg. Co., Baltimore, Md. "Cinderella"
Colt's Patent Fire Arms Mfg. Co., Hartford, Conn. "Autosan"
Conover Co., Chicago, Ill.
Edgar (Robert) & Co., Cedar Rapids, Ia. "E-Z Way"
Fearless Dishwasher Co., Rochester, N. Y.
Friedley-Voshardt Co., Chicago, Ill. "Kleen Kwick"
Hill & Ketteling Mfg. Co., Berkeley, Cal.
Hobart Mfg. Co., Troy, O. "Crescent"
Hydro-Electric Mfg. Co., Milwaukee, Wis.
Insinger Co., Phila., Pa.
Kohler Co., Kohler, Wis.
Sanitary Dishwasher, Inc., Milwaukee, Wis. "Emancipator," "Liberator," "Victory"
Shank (Cyrus) Co., Chicago, Ill.
Standard Sanitary Mfg. Co., Pittsburgh, Pa.
Surgex Mfg. Co., Oakland, Cal.
Walker Dishwasher Corp., Chicago, Ill.
White Bear Corp., Chicago, Ill.

WASTE CANS—See Cans, Waste

WASTE COCKS—See Cocks, Stop and Waste

WASTE COTTON—See Wipings, Waste, Cotton

WASTE PAILS—See Cans, Waste

WASTE PAPER BASKETS—See Baskets, Waste Paper

WASTE RECEPTACLES, SELF-CLOSING — See Receptacles, Waste

WASTE WIPINGS—See Wipings, Waste, Cotton

WATCHES

Didisheim-Hipp Co., Inc., 22 W. 38th, New York, N. Y. "Locust," "Nassau" (Stop)
Ingraham (E.) Co., Bristol, Conn.
New Haven Clock Co., New Haven, Conn. "Lawson" (Football Timer); (Sportstimer); "Leonard," "Tip Top," "Tom Tom"
Sterling Stop-Watch Co., Inc., 15 E. 26th, New York "Pastor" (Stop)
Western Clock Co., La Salle, Ill. "Country Club," "Dax," "Pocket Ben"

WATCHES, Toy

Maryland Toy Mfg. Co., Baltimore, Md.
Mealy Mfg. Co., Baltimore, Md. (Winding and Non-winding)
Smith Bros., Providence, R. I.
Winchester & Woods, Inc., Baltimore, Md.

WATER CARRYING BAGS—See Bags, Water Carrying

WATER CIRCULATING PUMPS—See Pumps, Water Circulating

WATER CLOSET LATCHES—See Latches, Water Closet

WATER CLOSETS—See Closets, Water

WATER COLORS—See Colors, Water

WATER COOLERS—See Coolers, Water

WATER DIPPERS—See Dippers, Milk, Water, Etc.

WATER ELEVATORS—See Elevators, Water.

WATER FILTERS—See Filters, Water

WATER GAGES—See Gages, Water

WATER GENERATORS — See Generators, Hot Water

WATER GLASS—See Glass, Water

WATER HEATER CONTROLS—See Controls, Water Heater

WATER HEATERS, Fuel Oil—See Heaters, Water, Fuel Oil

WATER HEATER REGULATORS—See Regulators, Water Heater

WATER HEATERS—See Heaters, Water, Gas Radiation

WATER HEATERS, ELECTRICAL—See Heaters, Water, Electric

WATER MIXERS—See Mixers, Water

WATER MOTOR CLOTHES WASHING MACHINES—See Washing Machines, Clothes, Water Motor

WATER PIPE—See Pipe, Cast Iron, Gas and Water

WATER POLO BALLS—See Balls, Polo, Water

WATER PUTTY—See Putty, Water

WATER SOFTENERS—See Softeners, Water

WATER STONES—See Stones, Oil and Water

WATER SUPPLY SYSTEMS, Deep Well

Crane Co., Chicago, Ill.
Dayton Pump & Mfg. Co., Dayton, O.
Deming Co., Salem, O. "Oil-Rite," "Straight Line"
Goulds Pumps, Inc., Seneca Falls, N. Y. "CID"
Hudson (H. D.) Mfg. Co., Chicago, Ill.
Mast, Foos & Co, Springfield, O. "Buckeye"
Monarch Engineering Co., Dayton, O.
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O. (Hand, Wind Mill, Engine or Motor Power)
Worthington Pump & Mchy. Corp., 115 B'way, New York, N. Y.

WATER SUPPLY SYSTEMS, House, Automatic

Crane Co., Chicago, Ill.
Dayton Pump & Mfg. Co., Dayton, O. "Unisystem"
Decatur Pump Co., Decatur, Ill. "Burks" (Electric Gasoline)
Delco Appliance Corp., Rochester, N. Y.
Deming Co., Salem, O. "Atlas," "Marvel," "Oil-Rite"
Fairbanks, Morse & Co., Chicago, Ill.
Flint & Walling Mfg. Co., Kendallville, Ind. "Hoosier"
Fort Wayne Engineering & Mfg. Co., Fort Wayne, Ind. "Paul"
Hudson (H. D.) Mfg. Co., Chicago, Ill.
Kewanee Private Utilities Co., Kewanee, Ill.
Monarch Engineering Co., Dayton, O. "Standard Monarch"
Myers (F. E.) & Bro. Co., 902 Church, Ashland, O. "Junior Self-Oiling," "Self-Oiling" (Open or Pressure Tank, Direct Discharge)
Roper (Geo. D.) Corp., Rockford, Ill.

WATER TOWERS—See Towers, Water and Windmill

WATER WELL VALVES—See Valves, Water Well

WATER WINGS

Ayvad Mfg. Co., 1103 Grand, Hoboken, N. J.
Coxey Silica Sand Co., Massillon, O.
Draper-Maynard Co., Plymouth, N. H.
Reach (A. J.), Wright & Ditson, Inc., Phila., Pa.
Regina Swimming Devices Co., 29 E. 21st, New York, N. Y.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.

WATERERS, Hog

Anderson Mfg. Co., Des Moines, Ia. "Ideal," "Tip Top"
Bernard (Phillip) Co., Sioux City, Ia. "O. K."
Bushnell Pump Co., Bushnell, Ill.
Butler Co., Butler, Ind. "Automatic"
Celina Mfg. Co., Celina, O.
Close-To-Nature Co., Colfax, Ia.
Columbian Steel Tank Co., Kansas City, Mo.
Drew Line Co., Fort Atkinson, Wis.
Flint & Walling Mfg. Co., Kendallville, Ind. "Hoosier"
Hall Mfg. Co., Cedar Rapids, Ia. "Red Top"
Hastings Equity Grain Bin Mfg. Co., Hastings, Mich.
Heller-Aller Co., Napoleon, O.
Hudson (H. D.) Mfg. Co., Chicago, Ill.
Kewanee Implement Co., Kewanee, Ill.
Lorenzen Bros. Mfg. Co., Marshalltown, Ia.
McCollough (W. A.) & Son, Webster City, Ia. "Square Deal"
Milcor Steel Co., Milwaukee, Wis.
Mit-Shel Stamping Mfg. Co., Quincy, Ill.
Moore Mfg. Co., Waterloo, Ia. "Waterloo"
National Mfg. Co., Des Moines, Ia. "Ideal"
Nebraska & Iowa Steel Tank Co., Omaha, Neb. "Eaton," "Non-Freezing"
North Dakota Metal Culvert Co., Fargo, N. D.
Novelty Iron Wks., Sterling, Ill. "Handy"
Oakes Mfg. Co., Tipton, Ind.
Only Mfg. Co., Hawarden, Ia.
Pioneer Mfg. Co., Middlebury, Ind. "Sanitary"
Quinn Wire & Iron Wks., Boone, Ia. "Daisy"
Rippley Mfg. Co., Grafton, Ill.
Rock Island Mfg. Co., Rock Island, Ill. "Dewey"
St. Paul Corrugating Co., St. Paul, Minn. "Pruden"
Sheldon Engine & Sales Co., Waterloo, Ia.
Star Tank Co., Goshen, Ind.
Sterling Foundry Co., Sterling, Ill. "Best"
Stover Mfg. & Engine Co., Freeport, Ill.
Theiman Harvester Co., Inc., Albert City, Ia. "Bull Dog," "Little Sioux," "Little Sioux Lamp," "New Hot Nipple" (Also Automatic)
Western Hog Oiler Co., Washington, Ia.
Whitnell Mfg. Co., Des Moines, Ia.

WATERERS, Poultry—See Fountains, Poultry

WATERING BOWLS—See Bowls, Watering

WATERING POTS—See Pots, Watering

WATERING TROUGHS—See Troughs, Watering

WATERLESS COOKERS—See Cookers, Waterless

WATERLESS TOILETS—See Toilets, Waterless

WATERPROOF APRONS—See Aprons, Waterproof

WATERPROOF GLUE—See Glue, Waterproof

WATERPROOF PAINTS—See Paints, Waterproof

WATERPROOFING—See Dampproofing

WAX, Belt

(See also Dressing, Belt)

Atkins (E. C.) Co., Indianapolis, Ind. "Cantol"

WAX PAPER—See Paper, Wax

WAX, Polish, Liquid

Baltimore Paint & Color Wks., Inc., Baltimore, Md. "Ladylike"
Boyle (A. S.) Co., Cincinnati, O. "Old English"
Du-All Mfg. Co., Geneva, O.
Du Pont (E. I.) De Nemours & Co., Inc., Wilmington, Del.
Farbo Wax Co., Baltimore, Md. "Cello-Wax"
Felco Mfg. & Products Co., 2243 Washington Av., New York, N. Y. "Nu Wax"
Fromeyer & Company, Cincinnati, O. "Jewel"
International Products Corp., Trenton, N. J. "Lusterol"
Johnson (S. C.) & Son, Racine, Wis.
Leiner (G. S.) & Co., 1280 Brook Av., New York, N. Y.
Liquid Veneer Corp., Buffalo, N. Y.
Marietta Paint & Color Co., Marietta, O.
Martin Varnish Co., Chicago, Ill.
Massury-Young Co., Charlestown, Mass. "Myco-Gloss"
Midway Chemical Co., Chicago, Ill. "Arowax"
Miracul Wax Co., St. Louis, Mo. "Dri-Brite"
Pioneer Mfg. Co., Cleveland, O. "Eze Way"
Pittsburgh Utilities, Inc., 11 W. 42nd, New York, N. Y. "Sta-Glo"
Sheffield Bronze Powder & Stencil Co., 5817 Kinsman Rd., Cleveland, O. "No-Rub"
Sherwin-Williams Co., Cleveland, O.
Socony-Vacuum Specialties, Inc., 26 B'way, New York, N. Y.
Speedwax Sales Co., 10 Boston, Newark, N. J.
Thompson Specialties, Inc., Springfield, Mass. "Tip-Top"
Van Tine Laboratories, Inc., 521 5th Av., New York, N. Y. "E. Z. Wax"

WAX POLISHES—See Polishes, Wax, and Wax Polish, Liquid

WAX, Prepared—See Polishes, Floor; also Polishes, Furniture

WAX REMOVERS—See Removers, Wax

WAX SEALS—See Seals, Wax

WAX TAPERS—See Tapers, Wax

WAXERS, Floor—See Machines, Floor, Electric

WEANERS, Calf and Colt

California Tanning Co., St. Louis, Mo.
Gatch Brush & Wire Goods Co., Baltimore, Md.
Imperial Bit & Snap Co., Racine, Wis. "Anti-Suck," "Kant-Suk," "Fuller," "Reichert"
Kees (F. D.) Mfg. Co., Beatrice, Neb.
Pratt (Wm. E.) Mfg. Co., Chicago, Ill.
Quinn Wire & Iron Wks., Boone, Ia. "Daisy," "Shaw"
Simonsen Iron Wks., Sioux Rapids, Ia. "So-Boss"
Wagner Specialty Co., Burlington, Wis. "Kant-Suk"
Warner Hdw. Spec. Co., Kansas City, Mo. "Porcupine"

WEANERS, Colt—See Weaners, Calf and Colt

WEATHER STRIP

Accurate Metal Weather Strip Co., 216 E. 26th, New York, N. Y. (Metal)
Algoma Net Co., Inc., Algoma, Wis.
All-Metal Weatherstrip Co., Chicago, Ill.
Allith-Prouty Co., Danville, Ill. (Garage)
American Metal Weather Strip Co., Grand Rapids, Mich.
Athey Co., Chicago, Ill.
Barringer, Elmer, Cleveland, O. "Barland," "Metal"
Bosley (D. W.) Co., Chicago, Ill. "Ajax," Ameco," "Atlas," "Bomeco," "Cushion Felt," "Cut Felt," "Double Contact," "Dust Seal," "Economy," "Excelsior," "Flexible," "Heat Seal," "Kopar," "Meta-Felt," "Metallic," "Nu-Felt," "Nu-Strip," "Sealit," "Seal-Strip," "Wind Seal"
Brawley, T. R., 275 20th, B'klyn, N. Y.
Burk & Fox, Forest, O. "Burfo"
Chamberlin Metal Weather Strip Co., Inc., Detroit, Mich.
Chicago Metal Weather Strip Co., Chicago, Ill.
Church (E. I.) & Co., West Hanover, Mass. "Axtell" (Metal)
Clendenin Bros., Inc., Baltimore, Md.
Dennis (W. J.) & Co., Chicago, Ill. "Clincher," "Draft Seal," "Flexible," Zero" (Metal)
Detroit Tire Cover & Specialty Co., Detroit, Mich. "Eskimo"
Diamond Metal Weather Strip Co., Columbus, O. "Capitol," "U-Put-On"
Dyer Mfg. Co., Milwaukee, Wis. (Cotton)
Eclat Rubber Co., Cuyahoga Falls, O. "Frost King"
Economy Metal Weatherstrip Co., Peoria, Ill. (Metal)
Federal Metal Weather Strip Co., Chicago, Ill.
Felters Co., Inc., Jackson, Mich. "No-Draft"
Felt Products Mfg. Co., Chicago, Ill. "Protecto"
Freeman (Chas. A.) Mfg. Co., Boston, Mass. "Invisible"
Gammeter (W. F.) Co., Cadiz, O. "Universal"
Gardner Wire Co., Chicago, Ill. "Holdfast"
General Weatherstrip Co., St. Louis, Mo. "Monarch," "Tac-Ezy" (Metal)
Henry Airtight Weather Strip Co., Martinsville, Ind.
Higgin Mfg. Co., Newport, Ky.
Inlaid Floor Co., San Francisco, Cal.
Jarrow Products Corp., Chicago, Ill. (Brass, Felt or Wood)
Johnson Metal Products Co., Erie, Pa. (Metal)
Kuhlman Metal Weather Strip Co., St. Louis, Mo.
Leighton Heel Co., Lewiston, Me. "Flex-Tite"
Macklanburg-Duncan Co., Oklahoma City, Okla. "Nu-Koil," "Numetal," "Nu-Way"
Master Metal Strip Service, Inc., Chicago, Ill. "Ezy-Ply"
Michaels Art Bronze Co., Covington, Ky. "Adjustable Astragals"
Michigan Engine Valve Co., Detroit, Mich. "Golden Metal"
Miller Rubber Co., Inc., Akron, O.
Newark Weather Strip & Screen Co., 7 Nevada, Newark, N. J.
Niagara Metal Weather Strip Co., Buffalo, N. Y.
Osgood (H. H.) & Co., Boston, Mass.
Prince, W. C., Boston, Mass.
Protective Ventilator & Screen Corp., 764 11th Av., New York, N. Y.
Pyramid Metals Co., Chicago, Ill.
Robbins Mfg. Co., Chicago, Ill. "Acme"
Russell-Peppler Co., Inc., 101 Park Av., New York, N. Y.
Sager Metal Weather Strip Co., Chicago, Ill.
Security Co., Detroit, Mich.
Southern Weather Strip Co., Orlando, Fla.
Thermwool Products Co., Inc., 360 Furman, B'klyn, N. Y. "Flexomold," "Servall"
Wilson Mfg. Co., Rochester, N. Y. "Fitz-All" (Dust Seal)
Wirfs Corp., St. Louis, Mo. "Home Comfort"

WEATHER VANES—See Vanes, Weather

WEBBING, Cotton

Anchor Webbing Co., Pawtucket, R. I. "Awebco"
Hide Leather & Belting Co., Indianapolis, Ind.
Hooper (Wm. E.) & Sons Co., Phila., Pa. "Hooperwood"
Mallison Braided Cord Co., Athens, Ga.
Sturges Mfg. Co., Inc., Utica, N. Y.

WEBBING STRAPS—See Straps, Webbing

WEDGES, Axe, Hammer and Hatchet

Leetonia Tool Co., Leetonia, O.
Pratt (Wm. E.) Mfg. Co., Chicago, Ill.
Sawyer Belt Hook Co., Pawtucket, R. I.
Smith (Landon P.), Inc., 130 Coit, Irvington, N. J. "Grady," "Red Devil"

WEDGES, Box, Spoke and Tool

Bullard, E. W., Whitneyville, Conn. "Perfect Wedge"
Iron City Tool Works, Pittsburgh, Pa.
Roberts, George W., Centerville, Ind. "Paramount"
Sawyer Belt Hook Co., Pawtucket, R. I.
Woodruff (Walter W.) & Sons Co., Mt. Carmel, Conn.

WEDGES, Steel

Brunner & Lay, Chicago, Ill.
Collins Co., Collinsville, Conn. "Legitimus"
Evansville Tool Wks., Inc., Evansville, Ind. "E. T. W."
Granite City Tool Co., Inc., Barre, Vt. (Stone Splitting)
Hardsocg (Martin) Co., Pittsburgh, Pa.
Hess (Chas.) Co., 49-14 Metropolitan Av., B'klyn, N. Y.
Hubbard & Co., Pittsburgh, Pa.
Iron City Tool Wks., Pittsburgh, Pa.
Klein-Logan Co., Pittsburgh, Pa.
Leetonia Tool Co., Leetonia, O.
Livingston Co., Rockland, Me. "Pope"
McInnes Steel Co., Corry, Pa.
Oliver Iron & Steel Corp., Pittsburgh, Pa. "Tyrone"
Penn Seaboard Steel Corp., Phila., Pa.
Phillips (F.) & Son, Baltimore, Md.
Plumb (Fayette R.), Inc., Phila., Pa.
Pratt (Wm. E.) Mfg. Co., Chicago, Ill.
Prouty (C.) & Co., Eldred, Pa. (Saw)
Sawyer Belt Hook Co., Pawtucket, R. I.
Stanley Wks., New Britain, Conn.
Trow & Holden Co., Barre, Vt.
Vulcan Tool Mfg. Co., Quincy, Mass, (Stone Splitting)
Warren Axe & Tool Co., Warren, Pa. "Bull Dog"
Warren Tool & Forge Co., Warren, O. "Quikwerk"
Warwood Tool Co., Warwood, Wheeling, W. Va.
What Cheer Tool Co., What Cheer, Ia.
Wooding-Verona Tool Wks., Verona, Pa.
Woodruff (Walter W.) & Sons Co., Mt. Carmel, Conn.

WEDGES, Tool—See Wedges, Box, Spoke and Tool

WEDGES, Wooden—See Wedges, Box, Spoke and Tool

WEED CUTTERS—See Cutters, Weed

WEED KILLERS—See Killers, Weed

WEEDERS, Beet

American Fork & Hoe Co., Cleveland, O. "True-Temper"

WEEDERS, Flower — See Weeders, Garden and Lawn

WEEDERS, Garden and Lawn

Akron-Selle Co., Akron, O.
Allen (S. L.) & Co., Phila., Pa. "Iron King," "Planet Jr."

WEEDERS, Garden and Lawn (Continued)

American Fork & Hoe Co., Cleveland, O. "Eureka," "Gem," "True Temper"
Animal Trap Co. of America, Lititz, Pa. "Trump"
Arcade Mfg. Co., Freeport, Ill.
B. & J. Mfg. Co., Springfield, O. "Rid-o-Weed"
Barker Mfg. Co., David City, Neb.
C-K-R Company, Cleveland, O. "Cronk"
Chicago Flexible Shaft Co., Chicago, Ill.
Cleveland Lawn Weeder Co., Cleveland, O.
Colvin Weeder Co., Chicago, Ill. (Dandelion)
Delco Mfg. Co., Oaks, Pa. "Little Wonder"
Ennis Mfg. Co., Reading, Pa.
E. Z. Lawn Edger Co., Los Angeles, Cal. (Weeder Cultivator)
Goodell Co., Antrim, N. H.
Granite State Mowing Machine Co., Hinsdale, N. H. "Duo-Disc"
Gray Iron Fdry. Co., Reading, Pa.
Gray Mfg. Co., Oakland, Cal. "Best-Ho"
Hall Mfg. Co., Cedar Rapids, Ia. "Midget"
Hills, Edwin, Plainville, Conn.
Hoeft & Co., Inc., North Chicago, Ill. "Moe's"
Imperial Bit & Snap Co., Racine, Wis.
Jelliff (C. O.) Mfg. Corp., Southport, Conn.
Johnson, J. Oliver, Chicago, Ill. "Comco"
Johnson (William), Inc., 36 Brenner, Newark, N. J.
Koss (F. D.) Mfg. Co., Beatrice, Neb.
Kingsbury Mfg. Co., Keene, N. H.
Marion Craftsman Tool Co., Marion, Ind. "Magic"
Michigan Wire Goods Co., Niles, Mich. "Androck"
Norcross (C. S.) & Sons, Bushnell, Ill. "Midget," "Out-U-Kum"
Ohio Art Co., Bryan, O.
Plomb Tool Co., Los Angeles, Cal.
Reichard (F. H.) Mfg. Co., Bangor, Pa. "Magic"
Rowe Mfg. Co., Galesburgh, Ill. "RO-HO" (Combination)
Southington Hdw. Co., Southington, Conn.
Stanley Wks., New Britain, Conn.
Stover Mfg. & Engine Co., Freeport, Ill.
Sythax Mfg. Co., Memphis, Tenn.
Union Fork & Hoe Co., Columbus, O. "Speedy"
United States Lock & Hdw. Co., Columbia, Pa.
Wonder Hoe Co., Fort Worth, Tex.
Wonder Mfg. Co., Inc., Cleveland, O.
Wrightsville Hdw. Co., Wrightsville, Pa.

WEEDERS, Lawn—See Weeders, Garden and Lawn

WEEDING FORKS—See Forks, Weeding

WEEDING HOOKS—See Weeders, Garden

WEIGHTS, Sash

American Lead Co., Pittsburgh, Pa.
American Mining Tool Co., Ottumwa, Ia.
Bartlett (A. F.) & Co., Saginaw, Mich.
Blatchard (E. W.) Co., Chicago, Ill. (Lead)
Boontoon Foundry Co., Boonton, N. J.
Borough Foundry Co., 280 N. Henry, B'klyn, N. Y.
Bowers, M. B., & Son, Hackettstown, N. J.
Brown (E. E.) & Co., Phila., Pa.
Carteret Fdry. Co., 2 Pacific Av., Jersey City, N. J.
Detroit Lead Pipe Wks., Detroit, Mich.
De Ved Bros., Inc., Baltimore, Md.
Drummond Mfg. Co., Louisville, Ky.
Enterprise Foundry Co., Rochester, N. Y.
Glascock Stove & Mfg. Co., Greensboro, N. C.
Grey Iron Casting Co., Mt. Joy, Pa.
Hastings Foundry & Iron Wks., Hastings, Neb.
Hubbard Foundry & Mach. Wks., Lynchburg, Va.
Indiana Fdry. Co., Indiana, Pa.
Iron City Foundry Co., Lebanon, Pa. "I. C. F."
Janney & Co., Montgomery, Ala.
Johnston & Jennings Co., Cleveland, O.
Keagy & Lear Mach. Co., Coshocton, O.
Laetz Fdry. Co., Bay City, Mich.
Lawrence Shot & Lead Co., Omaha, Neb.
Leavitt Mfg. Co., Urbana, Ill.
Levering Bros., Baltimore, Md.
Lewis & Egginton, Inc., 300 N. Henry, B'klyn, N.Y.
Lissberger (Marks) & Son, 281 Borden Av., Long Island City, N. Y.
Los Angeles Foundry Co., Los Angeles, Cal.
Manco Mfg. Co., Bradley, Ill.
Menzel & Jeffery Co., Minneapolis, Minn.
National-Boston Lead Co., Boston, Mass.
National Lead Co., 111 B'way, New York, N. Y. (Lead)
Over (Ewald) Est., Indianapolis, Ind.
Pech (Gus) Fdry. & Mfg. Co., Le Mars, Ia.
Price Evans Fdry. Corp., Chattanooga, Tenn.
Pugh Foundry Co., Kansas City, Mo.
Quinn Wire & Iron Wks., Boone, Ia.
Rincon Foundry Co., San Francisco, Cal.
Roanoke Iron & Bridge Wks., Roanoke, Va.
Rochester Lead Wks., Rochester, N. Y.
Selby Smelting Wks., San Francisco, Cal.
Somerville Iron Fdry. Co., Somerville, Mass.
Standard Foundry Co., Buffalo, N. Y.
Thayer Foundry Co., Atchison, Kan.
Tuscaloosa Iron Wks., Tuscaloosa, Ala.
United Lead Co., 111 B'way, New York, N. Y.
Waterbury Foundry Co., Waterbury, Conn.
Western Foundry & Sash Weight Co., St. Louis, Mo. "Crull"
Western Iron & Foundry Co., Wichita, Kan.
Windsor Mfg. Co., Milwaukee, Wis.
Withers Foundry & Mach. Wks., Atlanta, Ga.
York Foundry & Engine Wks., York, Neb.

WELDED BUILDING SHEATHING—See Sheathing, Building, Welded

WELDED CHAINS—See Chains, Welded

WELDING APPARATUS and SUPPLIES

MacLeod Co., Cincinnati, O.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
U. S. L. Battery Corp., Niagara Falls, N. Y.

WELDING COMPOUNDS—See Compounds, Welding

WELDING RODS—See Rods, Welding

WELDING TORCHES—See Torches, Brazing and Welding

WELDING WIRE—See Rods, Welding

WELDLESS CHAIN—See Chain, Weldless

WELL AUGERS—See Augers, Well

WELL BUCKETS—See Buckets, Well

WELL CHAIN—See Chain, Well

WELL CYLINDERS—See Cylinders, Well and Cistern

WELL DRIVE POINTS—See Points, Drive, Well

WELL PUMPS—See Pumps, Chain; also Pumps, House; also Pumps, Wooden; also Pumps, Well, Hand and Power

WELL STRAINERS—See Strainers, Well

WELL WHEELS—See Wheels, Well

WHEEL BOLTS—See Bolts, Wheel

WHEEL GOODS—See article desired

WHEEL TOYS—See article desired; also Mechanical Toys

WHEELBARROW SPRAYERS—See Sprayers, Wheelbarrow

WHEELBARROW WHEELS—See Wheels, Wheelbarrow

WHEELBARROWS, All Types and Classifications

American Steel Scraper Co., Sidney, O. "Creto," "Crown," "Handa," "No. 17," "Reliable"
Asheboro Wheelbarrow Co., Asheboro, N. C.
Buch Mfg. Co., Elizabethtown, Pa.
Case Crane & Kilbourne Jacobs Co., Columbus, O. "Ajax," "AX," "Blue Feather," "Columbus," "Domestic," "K. & J.," "Pan American," "Planet," "Star," "Victor"
Chattanooga Wheelbarrow Co., Chattanooga, Tenn. "Dixie Queen," "Golden Rod"
Fairbanks Co., 393 Lafayette, New York, N. Y.
General Wheelbarrow Co., Cleveland, O. "Akron"
Harrison (W. R.) & Co., Massillon, O.
Jackson Mfg. Co., Harrisburg, Pa.
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Lansing Co., Lansing, Mich.
Puffer-Hubbard Mfg. Co., Minneapolis, Minn. "American," "Easy Grip"
Sargent, Osgood & Roundy Co., Randolph, Vt.
Sidney Steel Scraper Co., Sidney, O. "Burro," "Haslup," "U. S."
Standard Scale & Supply Co., Pittsburgh, Pa.
Sterling Wheelbarrow Co., Milwaukee, Wis.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Toledo Wheelbarrow Co., Toledo, O. "Bull Frog," "Buckeye," "Clipper"
White Coaster Wagon Wks., Sheboygan Falls, Wis.

WHEELBARROWS, Children's

Children's Vehicle Corp., East Templeton, Mass.
Dayton Toy & Specialty Co., Dayton, O. "Daton"
Gendron Wheel Co., Toledo, O. "Pioneer"
Gibbs Mfg. Co., Canton, O.
Hustler Toy Corp., Sterling, Ill. "Jack and Jill"
Kirk-Latty Mfg. Co., Cleveland, O.
Maxcy-Barton Organ Co., Chicago, Ill. "Jumping Jack Rabbit"
Mengel Co., St. Louis, Mo.
Monarch Products Co., Tiffin, O.
Murray-Ohio Mfg. Co., Cleveland, O. "Steelcraft"
North-Western Stamping Co., Burlington, Ia.
Omaha Toy Mfg. Co., Omaha, Neb.
Paris Mfg. Co., South Paris, Me.
Pressed Metal Products Co., Cleveland, O. "Teddy-Wheel-Bear-O"
Sheboygan Coaster & Wagon Wks., Sheboygan, Wis.
Smith (S. A.) Mfg. Co., Brattleboro, Vt.
South Bend Toy Mfg. Co., South Bend, Ind.
Steel Stamping Co., Lorain, O. "Buster," "Giant Toy," "Little Giant," "Mid-Giant"
Toledo Metal Wheel Co., Toledo, O. "Blue Streak"
Toy Company of America, Appleton, Wis.
Toy Kraft Co., Wooster, O.
U. & I. Toy Co., Lorain, O.
Wester Mfg. Co., Boone, Ia.
White Coaster Wagon Wks., Sheboygan Falls, Wis.
Whitney Bros. Co., Marlboro, N. H.

WHEELS, BUFFING—See Wheels, Polishing

WHEELS, Wagon

Avoca Wheel Co., Avoca, N. Y.
Bennet Mfg. Co., Westerville, O. (Wagon, Metal)
Case Crane & Kilbourne Jacobs Co., Columbus, O.
Corcoran Mfg. Co., Washington, Ind.
Empire Mfg. Co., Quincy, Ill.
Havana Metal Wheel Co., Havana, Ill. (Farm Wagon)
Hoopes Bros. & Darlington, West Chester, Pa.
Jones (Phineas) & Co., Inc., Hillside, N. J.
Lansing Co., Lansing, Mich.
Lebzelter (Phillip) & Son Co., Lancaster, Pa. "Star," "Warner"
Muncie Wheel Co., Muncie, Ind. "Bannister"
Shortsville Wheel Co., Shortsville, N. Y. "Sweet's"
Stinson (Edward) Mfg. Co., Baltimore, Md.
Union City Wheel Co., Union City, Ind.

WHEELS, Corundum—See Wheels, Grinding, Emery and Corundum

WHEELS, Emery—See Wheels, Grinding, Emery and Corundum

WHEELS, Grinding, Emery and Corundum

American Emery Wheel Wks., Providence, R. I.
Atkins (E. C.) Co., Indianapolis, Ind. "Acrolite," "Ferrolite"
Bracher Co., Belleville, N. J.
Bridgeport Safety Emery Wheel Co., Bridgeport, Conn.
Carborundum Co., Niagara Falls, N. Y. "Aloxite"
Chicago Wheel & Mfg. Co., Chicago, Ill.
Cleveland Quarries Co., Cleveland, Ohio. "Sterbon," "Sterlith"
Cortland Grinding Wheels Corp., Chester, Mass. "Carbora," "Oxaluma"
De Sanno (A. P.) & Son, Phila., Pa. "Radiac"
Detroit-Star Grinding Wheel Co., Detroit, Mich. "Staralon," "Staralox"
Goodrich Grinding Wheel Co., Chicago, Ill.
Luther Grinder & Tool Co., Milwaukee, Wis.
Norton Co., Worcester, Mass.
Pittsburgh Grinding Wheel Co., Rochester, Pa. (Abrasive only)
Prairie du Chien Tool Co., Prairie du Chien, Wis. "Badger," "Sturdibilt," "Utility"
Richards-Wilcox Mfg. Co., Aurora, Ill.
Simonds Saw & Steel Co., Fitchburg, Mass.
Vitrified Wheel Co., Westfield, Mass.
Westfield Grinding Wheel Co., Westfield, Mass.
White (L. & I. J.) Co., Division of the Simonds-Worden-White Co., Dayton, O. "Dayton"
Wisconsin Abrasive Co., Milwaukee, Wis. "Minalox"

WHEELS, Hand, Truck

Clark (Geo. P.) Co., Windsor Locks, Conn.
Fairbanks Co., 393 Lafayette, New York, N. Y.
French & Hecht, Inc., Davenport, Ia. (Push Cart)
Jarvis & Jarvis, Palmer, Mass.
Lansing Co., Lansing, Mich.
Mobile Pulley & Machine Wks., Mobile, Ala.
Orangeville Mfg. Co., Orangeville, Pa.

WHEELS, Polishing

Bickford & Francis Belting Co., Buffalo, N. Y.
Booth Felt Co., Inc., 463 19th, Brooklyn, N. Y.
Hunt (C. B.) & Son, Salem, O. "Quick as Wink"
Ohio Buff & Mfg. Co., Cincinnati, O.
Osborn Mfg. Co., Cleveland, O. "Disc-Center," "Economy," "Monarch," "Riehl," "Triumph" (Tampico & Wire)

WHEELS, Roller Skate

Matthews Mfg. Co., Worcester, Mass.

WHEELS, Well

American Foundry & Mfg. Co., St. Louis, Mo.
Colebrookdale Iron Co., Boyertown, Pa.
Wrightsville Hdw. Co., Wrightsville, Pa.

WHEELS, Wheel Barrow

Atlas Car & Mfg. Co., Cleveland, O.
Case Crane & Kilbourne Jacobs Co., Columbus, O. "K. & J.," "Lewis"
French & Hecht, Inc., Davenport, Ia.
Jackson Mfg. Co., Harrisburg, Pa.
Lancaster Iron Works, Lancaster, Pa.
Little (J. R.) Metal Wheel Co., Quincy, Ill.
Mullins Body Corp., Salem, O.
Orangeville Mfg. Co., Orangeville, Pa.
Western Wheelbarrow Mfg. Co., South Ft. Smith, Ark.

WHET STONES—See Stones, Whet

WHIFFLE TREE BOLTS—See Bolts, Whiffle Tree

WHIP SAWS—See Saws, Whip

WHIPPING SPOONS—See Spoons, Whipping

WHIPS

American Whip Co., Westfield, Mass.
Baltimore Leather Goods Co., Baltimore, Md.
Bardall (J. C.) Co., Moundsville, W. Va.
Brauer Bros., Inc., St. Louis, Mo.

WHIPS (Continued)

Cargill-Cleveland & Co., Westfield, Mass.
Craftsman Leather Specialty Co., Dayton, O.
Graton & Knight Mfg. Co., Worcester, Mass.
Horse Whip Co., Westfield, Mass.
Independent Whip Co., Westfield, Mass.
Kentucky Whip & Collar Co., Eddyville, Ky.
Pine, Geo. D., 89 Chambers, New York, N. Y.
Standard Whip Co., Westfield, Mass.
Underwood Whip Co., Westfield, Mass.

WHIPS, Carpet and Rug—See Beaters, Carpet and Rug

WHIPS, Cream—See Beaters and Whips, Egg, Cream, Etc.

WHIPS, Egg—See Beaters and Whips, Egg, Cream, Etc.

WHISK BROOM HOLDERS—See Holders, Broom, Whisk

WHISK BROOMS—See Brooms, Whisk

WHISTLES, Police

Graton & Knight Co., Worcester, Mass.
Union Hdw. Co., Torrington, Conn.
Waterbury Mfg. Co., Waterbury, Conn.

WHISTLES, Referees' and Umpires'

Draper-Maynard Co., Plymouth, N. H.
Gotham Metal Works, 46 Walworth, B'klyn, N. Y.
Rawlings Mfg. Co., St. Louis, Mo.
Reach (A. J.) Wright & Ditson, Inc., Phila., Pa.
Spalding (A. G.) & Bros., 105 Nassau, New York, N. Y.
Stall & Dean Mfg. Co., Brockton, Mass.
Union Hdw. Co., Torrington, Conn.

WHISTLES, Toy

Bogert & Hopper, 223 Varick, New York, N. Y. (Wooden)
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y. (Wooden)
Stiles (H. A.) & Co., Boston, Mass. (Wooden)

WHISTLES, Umpires'—See Whistles, Referees' and Umpires'

WHITE LEAD—See Lead, White

WHITE METAL WIRE CLOTH—See Cloth, Wire, Black, Brass, Bronze, Copper, Galvanized, Etc.

WHITE ZINC—See Paints

WHITEWASH BRUSHES—See Brushes, Kalsomine; also Brushes, Paint and Varnish

WHITEWASH SPRAYERS—See Sprayers, Paint

WICK CLEANERS—See Cleaners, Wick

WICKETS, Cashiers'—See Cages and Wickets, Cashier

WICKING, Candle—See Wicking, Cotton

WICKING, Cotton

Atkins & Pearce Mfg. Co., Cincinnati, O.
Bishop (Robert) Mfg Co., South Boston, Mass. "Pioneer"
California Cotton Mills Co., East Ookland, Cal.
Empire Twine & Yarn Co., Inc., 70 Thomas, New York, N. Y.
Estes Mills, Fall River, Mass.
Fricke (J. E.) Co., Phila., Pa.
Hooper (W. E.) & Sons Co., Baltimore, Md.
Jackson (Thos.) & Son Co., Reading, Pa.
Massasoit Mfg. Co., Fall River, Mass.
Richards, Fred J., Springfield, Mass.
Rockford Mfg. Co., Rockford, Tenn.
Toohey (M. J.) & Co., Fall River, Mass.
Universal Braid Co., Reading, Pa.
Westport Mfg. Co., Fall River, Mass.

WICKING, Miners'—See Wicking, Cotton

WICKLESS OIL STOVES and RANGES—See Stoves and Ranges, Oil, Wickless

WICKS, Lamp

Cohankus Mfg. Co., Paducah, Ky.
Dietz (R. E.) Co., 60 Laight, New York, N. Y.
Empire Twine & Yarn Co., Inc., 70 Thomas, New York, N. Y.
Hoffman-Corr Mfg. Co., Phila., Pa.
Hooper (W. E.) Sons Co., Baltimore, Md.
International Braid Co., Providence, R. I.
Jackson (T.) & Son Co., Reading, Pa.
Johns-Manville, Inc., Madison Av. & 41st, New York, N. Y.
Lydia Cotton Mills, Clinton, S. C.
Pierce, Frank H., Boston, Mass.
Pioneer Cotton Mills, Guthrie, Okla.
Standard Oil Co. of N. Y., 230 Park Av., New York, N. Y.
Tuscaloosa Mills, Tuscaloosa, Ala.
Watson (H. F.) Co., Erie, Pa.

WICKS, Oil Stove

American Stove Co., St. Louis, Mo. "Blue Bird," "Lorain"
Brauer (A. G.) Supply Co., St. Louis, Mo.
Globe Machine & Stamping Co., Cleveland, O. "Everite"
Huenefeld Co., Cincinnati, O. "Boss"
Lindemann (A. J.) & Hoverson Co., Milwaukee, Wis. "Everite"
National Enameling & Stamping Co., Milwaukee, Wis. "Rockweave"
Perfection Stove Co., Inc., 7609 Platt Av., Cleveland, O.
Quick Meal Stove Co., St. Louis, Mo. "Blue Bird," Lorain"

WIGS, Doll

Braitling, Fred K., Bridgeport, Conn.
Follender Wig Corp., E. Islip, N. Y.
Lukas, John, Chicago, Ill.
Mutual Hair Goods Co., 102 Wooster, New York, N. Y.
Rosen & Jacoby, 34 W. 20th, New York, N. Y.
Ruf, Jos., Phila., Pa.

WINCHES, Hand Power

Bridgeport, Chain & Mfg. Co., Bridgeport, Conn.
Dobbie Foundry & Mach. Co., Niagara Falls, N. Y.
Erie Hoist Co., Erie, Pa. (Automobile)
Indiana Foundry Co., Indiana, Pa.
Round (David) & Son, Cleveland, O.
Wright Mfg. Co., York, Pa.

WIND MILL PUMPS—See Pumps, Hand and Wind Mill

WIND MILL REGULATOR PUMPS—See Pumps, Wind Mill, Regulator

WIND MILL REGULATORS—See Regulators, Wind Mill

WIND MILL TOWERS—See Towers, Water and Wind Mill

WIND MILLS—See Mills, Wind

WIND SHIELD CLEANERS or WIPERS—See Cleaners, Wind Shield

WINDOW ADJUSTERS, Overhead—See Fittings, Greenhouse

WINDOW ANTI-RATTLERS—See Anti-Rattlers, Window

WINDOW BOLTS—See Bolts, Door and Window

WINDOW BRUSHES—See Brushes, Window

WINDOW CASINGS—See Casings, Door and Window, Metal

WINDOW CLEANERS—See Cleaners, Window

WINDOW CLEANERS' BELT ANCHORS—See Anchors, Belt, Window Cleaners'

WINDOW CLEANERS' SAFETY BOLTS—See Bolts, Window Cleaners' Safety

WINDOW DISPLAY FIXTURES—See Fixtures, Display, Hardware

WINDOW DISPLAYS—See Displays, Window

WINDOW FIXTURES—See Fixtures, Window

WINDOW FLOWER BOXES—See Boxes, Flower

WINDOW GLASS—See Glass, Window

WINDOW HARDWARE—See Casement Window Hardware; also Adjusters, Window, Casement

WINDOW HINGES—See Hinges, Window

WINDOW PULLS—See Pulls, Window

WINDOW REFRIGERATORS—See Refrigerators, Window

WINDOW SCREEN FRAMES, Knock-Down—See Frames, Window Screen, Knock-Down

WINDOW SCREEN HANGERS—See Hangers, Window Screen

WINDOW SCREEN NAILS—See Nails, Screen

WINDOW SCREENS—See Screens, Window

WINDOW SCREENS, Adjustable—See Screens, Window, Adjustable

WINDOW SETS—See Sets, Window

WINDOW SHADE ADJUSTERS—See Adjusters, Window Shade

WINDOW SHADE CLEANERS—See Cleaners, Wall Paper

WINDOW SHADE PULLS—See Pulls, Window Shade

WINDOW SHADE STOP PULLEYS—See Pulleys, Stop, Window Shade

WINDOW SHADES—See Shades, Window

WINDOW SPRINGS—See Springs, Window

WINDOW STAYS—See Stays, Window

WINDOW STOP ADJUSTERS—See Adjusters, Window Stop

WINDOW TRIMS—See Trims, Window

WINDOW VENTILATORS—See Ventilators, Window

WINDOW CLEANERS' BELTS—See Belts, Window Cleaners'

WINDOWS, Basement

Crescent Steel Co., St. Louis, Mo.
Detroit Steel Products Co., Detroit, Mich.
Gabriel Steel Co., Detroit, Mich.
Kalman Steel Co., Inc., Wrigley Bldg., Chicago, Ill.
Kewanee Mfg. Co., Kewanee, Ill.
Larimer Co., Aurora, Ill.
Lupton's (David) Sons Co., Phila., Pa.
Majestic Co., Huntington, Ind.
Milcor Steel Co., Milwaukee, Wis.
National Steel Window Co., St. Louis, Mo.
Truscon Steel Co., Youngstown, O.
Vento Steel Sash Co., Muskegon Heights, Mich.
Western Architectural Iron Co., Chicago, Ill. "Idea"

WINDOWS, Steel

Adams Co., Dubuque, Ia.
American Mfg. Co., Des Moines, Ia. (Roof & Side Wall)
American Sheet Metal Wks., New Orleans, Ala.
Clay Equipment Corp., Cedar Falls, Ia. (Hog House)
Crescent Steel Co., St. Louis, Mo.
Detroit Steel Products Co., Detroit, Mich.
Fireproof Products Co., Inc., 536 E. 133rd, New York, N. Y.
General Fireproofing Co., Youngstown, O.
Kalman Steel Co., Inc., Chicago, Ill.
Lupton's (David) Sons Co., Phila., Pa.
Mesker Bros. Iron Co., St. Louis, Mo.
Milcor Steel Co., Milwaukee, Wis.
National Steel Window Co., St. Louis, Mo.
Truscon Steel Co., Youngstown, O.
Vento Steel Sash Co., Muskegon Heights, Mich.
Western Architectural Iron Co., 211 W. Schiller, Chicago, Ill.

WINE BARRELS—See Barrels and Kegs, Cider, Wine, Etc.

WING NUTS—See Nuts, Thumb or Wing

WING SCREWS—See Screws, Wing

WINGS, WATER—See Water Wings

WIPING RAGS—See Cloths, Wiping

WIPINGS, Waste, Cotton

Allen (W. D.) Mfg. Co., Chicago, Ill.
Bishop (Robert) Mfg. Co., South Boston, Mass. "Kleenwipe," "Pioneer"
Blakeley (John) & Son, Phila., Pa.
Bowman (D. F.) Co., New Albany, Ind.
Charlotte Waste Co., Charlotte, N. C.
Chicago Waste Co., Chicago, Ill.
Dallas Waste Mills, Dallas, Tex.
Detroit Waste Wks., Detroit, Mich.
Devlin (Chas.) & Sons, Phila., Pa.
Economy Wiping Materials Co., 227 Franklin, B'klyn, N. Y.
Egan Waste Co., 168 Front, New York, N. Y.
Estes Mills, Fall River, Mass. "Extra Special," "Prime," "Yacht-Auto"
Friedlander (Julius) & Co., Columbus, Ga.
Fulton Bag & Cotton Mills, Inc., 330 Wythe Av., B'klyn., N. Y.
Hagy (Clayton L.) & Son, Phila., Pa.
Hagy (J. Milton) Waste Wks., Phila., Pa. "Fidelity"
Hoffman-Corr Mfg. Co., Phila., Pa.
Hoffman Lion Mills Co., 485 Washington Av., New York, N. Y.
Kinsey (E. A.) Co., Cincinnati, O.
Lillie (Dexter P.) Co., Indian Orchard, Mass.
McGrath, John J., Phila., Pa.
Massasoit Mfg. Co., Fall River, Mass.
National Waste Co., Phila., Pa. "Quaker"
O'Neill Bros., Phila., Pa.
Riverside Mills, Augusta, Ga.
Royal Mfg. Co., Rahway, N. J.
South Atlantic Waste Co., Charlotte, N. C.
Springfield Waste Co., Springfield, Mass.
Sweetland Waste Co., Inc., South Boston, Mass. "Snow-Drift"
Toohey (M. J.) & Co., Fall River, Mass.
Valley Waste Mills, La Grange, Ga.
Wallace (Rodney) Co., Fitchburg, Mass.

WIRE ARCHES—See Trellises, Wire

WIRE, Barbed

American Steel & Wire Co., 208 S. La Salle, Chicago, Ill. "American," "Baker," "Ellwood," "Glidden," "Lyman," "Waukegan"
Atlantic Steel Co., Atlanta, Ga. "Dixisteel"
Belfont Steel & Wire Co., Ironton, O.
Bethlehem Steel Co., Bethlehem, Pa. "Cambria"
Continental Steel Corp., Kokomo, Ind.
Gulf States Steel Co., Birmingham, Ala. "Gulfsteel"
Indiana Steel & Wire Co., Muncie, Ind.
Interstate Iron & Steel Co., Chicago, Ill.
Janesville Fence & Post Co., Janesville, Wis. "Apex," "O. K.," "Red Head"
Keystone Steel & Wire Co., Peoria, Ill. "Arrow," "Defender," "Hawthorne," "Kickapoo," "Ruthless"

WIRE, Barbed (Continued)

Eiselman Bros., Muncie, Ind.
Mid-States Steel & Wire Co., Crawfordsville, Ind.
Northwestern Barb Wire Co., Inc., Sterling, Ill.
Page Steel & Wire Co., Monessen, Pa.
Pittsburgh Steel Co., Union Trust Bldg., Pittsburgh, Pa.
Wheeling Corrugating Co., Wheeling, W. Va.
Wheeling Steel Corp., Wheeling, W. Va.
Wickwire Bros., Cortland, N. Y.

WIRE BASKETS—See Baskets, Wire

WIRE BORDERS—See Borders, Flower Bed

WIRE, Brass and Copper

American Brass Co., Waterbury, Conn. "Anaconda"
American Electrical Wks., Phillipsdale, R. I. (Copper)
American Steel & Wire Co., 208 S. La Salle, Chicago, Ill. (Copper)
Anaconda Wire & Cable Co., Chicago, Ill.
Bridgeport Brass Co., Bridgeport, Conn.
Bridgeport Screw Co., Bridgeport, Conn.
Chase Brass & Copper Co., Waterbury, Conn.
Clendenin Bros., Inc., Baltimore, Md.
Copperweld Steel Co., Glassport, Pa. (Copper Covered)
Driver-Harris Co. (Harrison), Newark, N. J.
Dudlo Mfg. Corp., Ft. Wayne, Ind.
Eastwood Wire Mfg. Co., Belleville, N. J.
Federated Metals Corp., Chicago, Ill.
Foley, F. W., Dollar Bay, Mich.
Fraser (Russell) Wire Co., Maspeth, L. I., N. Y. "Ajax"
General Electric Co., Schenectady, N. Y.
Hazard Mfg. Co., Wilkes-Barre, Pa.
Keystone Ornamental Iron & Bronze Wks., San Francisco, Cal.
Malin & Co., Cleveland, O.
Michigan Copper & Brass Co., Detroit, Mich.
Michigan Wire Cloth Co., Detroit, Mich.
North American Copper Co., 52 Vanderbilt Av., New York, N. Y.
Phillips Wire Co., Pawtucket, R. I.
Rome & Atwood Mfg. Co., Waterbury, Conn.
Roebling's (John A.) Sons Co., Trenton, N. J.
Rome Brass & Copper Co., Rome, N. Y.
Rome Wire Co., Rome, N. Y.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Scovill Mfg. Co., Waterbury, Conn.
Seymour Mfg. Co., Seymour, Conn.
Sargo Wire Co., Rome, N. Y.
Standard Underground Cable Co., Glenwillard St., Pittsburgh, Pa.
United Smelting & Aluminum Co., New Haven, Conn.
Washburn Wire Co., Phillipsdale, R. I.
Waterbury Rolling Mills, Waterbury, Conn.
Wickwire Bros., Cortland, N. Y.

WIRE, Brass, Spring

American Brass Co., Waterbury, Conn. "Anaconda"
Malin & Co., Cleveland, O.
Scovill Mfg. Co., Waterbury, Conn.
Wickwire Spencer Steel Co., Inc., 41 E. 42d, New York, N. Y.

WIRE, Bronze—See Wire, Phosphor Bronze

WIRE BROOMS—See Brooms, Wire

WIRE BRUSHES—See Brushes, Wire

WIRE CABLE—See Rope or Cable, Wire

WIRE CAGES and WICKETS—See Cages and Wickets, Cashiers'

WIRE CLOTH—See Cloth, Wire

WIRE CLOTH MEASURING MACHINES—See Measuring Machines, Wire Cloth

WIRE CLOTH RACKS—See Fixtures, Display, Hardware; also Racks, Wire Cloth

WIRE, Copper—See Wire, Brass and Copper

WIRE CUTTERS—See Cutters, Rod, Wire and Bar

WIRE DOLL BEDS—See Beds, Doll

WIRE FENCE—See Fence, Wire

WIRE FISHING LINES—See Lines, Fishing, Metal, Braided and Twisted

WIRE FORMS

American Spring & Mfg. Corp., Holly, Mich.
Bridgeport Chain & Mfg. Co., Bridgeport, Conn.
Chain Products Co., 3290 Cooper Av., Cleveland, O.
Chicago Coil Spring Co., Chicago, Ill.
Fischer (Chas.) Spring Co., 240 Kent Av., B'klyn., N. Y.
Hunter Pressed Steel Co., Lansdale, Pa.
Lalman Steel Co., Inc., Chicago, Ill.
Moest Pin Ticket Co., Inc., Mt. Vernon, N. Y. (Automatic)
Parker Wire Goods Co., Worcester, Mass.
Simpson (Edward B.) Co., 68 Franklin, B'klyn., N. Y.
Thomas Mfg. Co., Cedar Rapids, Iowa.
Richener (E. H.) & Co., Binghamton, N. Y.
Young (L. A.) Spring & Wire Corp., Detroit, Mich.

WIRE GAGES—See Gages, Sheet Metal and Wire; also Gages, Drill

WIRE, Galvanized—See Wire, Plain and Galvanized

WIRE GOODS

Meyers (Fred J.) Mfg. Co., Hamilton, O.
Parker Wire Goods Co., Worcester, Mass.

WIRE HINGES—See Hinges, Wire

WIRE, Insulated

American Brass Co., Waterbury, Conn. "Anaconda"
American Electrical Wks., Phillipsdale, R. I.
American Steel & Wire Co., 208 S. La Salle, Chicago, Ill. "Americore," Amerite"
Anaconda Wire & Cable Co., Chicago, Ill.
Belden Mfg. Co., Chicago, Ill.
Bishop Gutta-Percha Co., 420 E. 25th, New York, N. Y.
Boston Insulated Wire & Cable Co., Boston, Mass. "B. I. W."
Collyer Insulated Wire Co., Pawtucket, R. I.
Copperweld Steel Co., Glassport, Pa.
Crescent Insulated Wire & Cable Co., Trenton, N. J.
Dudlo Mfg. Corp., Ft. Wayne, Ind.
Fraser (Russell) Wire Co., 115 Lexington Av., Maspeth, L. I., N. Y. "Ajax"
General Electric Co., Schenectady, N. Y. "Delta Beston," "Red Core"
Goodrich-Lenhart Mfg. Co., Hamburg, Pa. "M P"
Habishaw Cable & Wire Corp., Yonkers, N. Y.
Hazard Mfg. Co., Wilkes-Barre, Pa.
Indiana Rubber & Insulated Wire Co., Jonesboro, Ind. "Paranite"
Kellogg Switchboard & Supply Co., Chicago, Ill.
Kerite Insulated Wire & Cable Co., 30 Church, New York, N. Y.
Leiser (W. A.) & Co., Phila., Pa.
McCarthy Bros. & Wilson, Phila., Pa.
Malin & Co., Cleveland, O.
National India Rubber Co., Bristol, R. I.
New York Insulated Wire Co., 114 Liberty, New York, N. Y.
Okonite Co., Passaic, N. J.
Packard Electric Co., Warren, O.
Rockbestos Products Co., New Haven, Conn.
Roebling's (John A.) Sons Co., Trenton, N. J.
Rome Wire Co., Rome, N. Y.
Simplex Wire & Cable Co., Boston, Mass.
Standard Underground Cable Co., Pittsburgh, Pa.
Whitney Blake Co., New Haven, Conn.

WIRE LAMP SHADE FRAMES—See Frames, Lamp Shade, Wire

WIRE NAILS—See Nails, Wire

WIRE NETTING—See Netting, Wire

WIRE, Phosphor Bronze

American Brass Co., Waterbury, Conn. "Anaconda"
Malin & Co., Cleveland, O.
Michigan Wire Cloth Co., Detroit, Mich.
Phosphor Bronze Smelting Co., Phila., Pa.
Riverside Metal Co., Riverside, N. J. "Omega"

WIRE, Picture

American Wire Fabrics Corp., 41 E. 42nd, New York, N. Y. "Wissco"
Carpenter Mfg. Co., Norwich, Conn.
Malin & Co., Cleveland, O.
Paramount Wire Co., Inc., 185 Mercer, New York, N. Y. (Silk Covered)
Parker Wire Goods Co., Worcester, Mass.
Tate (E. H.) Mop & Cordage Co., Boston, Mass. "Best Quality"
Tate Mfg. Co., Boston, Mass.
Turner & Stanton Co., Norwich, Conn.
Wickwire Spencer Steel Co., Inc., 41 E. 42d, New York, N. Y. "Wissco"

WIRE, Plain and Galvanized

American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
Belfont Steel & Wire Co., Ironton, O.
Bethlehem Steel Co., Bethlehem, Pa.
Colorado Fuel & Iron Co., Boston Bldg., Denver, Colo.
Continental Steel Corp., Kokomo, Ind.
Cyclone Fence Co., Waukegan, Ill.
Fraser (Russell) Wire Co., Maspeth, L. I., N. Y. "Ajax"
Gulf States Steel Co., Birmingham, Ala.
Indiana Steel & Wire Co., Muncie, Ind.
Interstate Iron & Steel Co., Chicago, Ill.
Jones & Laughlin Steel Co., Pittsburgh, Pa.
Kelly Nail & Iron Co., Ironton, O.
Keystone Steel & Wire Co., Peoria, Ill. (Galvannealed)
Kokomo Steel & Wire Co., Kokomo, Ind.
Malin & Co., Cleveland, O.
Mid-States Steel & Wire Co., Crawfordsville, Ind. "Galvannealed"
New Jersey Wire Cloth Co., Trenton, N. J.
Page Steel & Wire Co., Monessen, Pa.
Pittsburgh Steel Co., Union Trust Bldg., Pittsburgh, Pa.
Roebling's (John A.) Sons Co., Trenton, N. J.
Ryerson (Jos. T.) & Son, Chicago, Ill.
Seneca Wire & Mfg. Co., Fostoria, O.
Wheeling Corrugating Co., Wheeling, W. Va.
Wheeling Steel Corp., Wheeling, W. Va. "Wheeling"
Wickwire Bros., Cortland, N. Y.
Wickwire Spencer Steel Co., Inc., 41 E. 42d, New York, N. Y.
Youngstown Steel Products Co., Youngstown, O.

WIRE PULLERS—See Pullers, Wire; also Stretchers, Fence and Wire

WIRE, Radio—See Radio Wire

WIRE RAILINGS—See Railings, Wire, Partition

WIRE REINFORCEMENT, Concrete

American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
Pittsburgh Steel Co., Pittsburgh, Pa.

WIRE RIVETS—See Rivets, Wire

WIRE ROPE—See Rope or Cable, Wire

WIRE ROPE CLIPS, DROP FORGED—See Clips, Wire Rope, Drop Forged

WIRE ROPE CLIPS, MALLEABLE—See Clips, Wire Rope, Malleable

WIRE ROPE FITTINGS—See Fittings, Wire Rope

WIRE ROPE SHACKLES—See Shackles, Wire Rope

WIRE ROPE SOCKETS—See Sockets, Wire Rope

WIRE ROPE TRAMWAYS—See Tramways, Wire Rope

WIRE SASH CORD—See Cord, Sash, Wire

WIRE SCRAPERS—See Scrapers, Wire

WIRE SETTEES—See Furniture, Garden, Lawn and Porch

WIRE SOLDER—See Solder, Bar and Wire

WIRE SPLICERS—See Splicers, Wire

WIRE, Spooled

American Brass Co., Waterbury, Conn. "Anaconda"
American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
Fraser (Russell) Wire Co., 115 Lexington Av., Maspeth, L. I., N. Y. "Ajax"
General Electric Co., Schenectady, N. Y.
Malin & Co., Cleveland, O.
Prentiss (Geo. W.) & Co., Holyoke, Mass.
Rome Brass & Copper Co., Rome, N. Y.
Tate Mfg. Co., Boston, Mass.
Tate (E. H.) Mop & Cordage Co., Boston, Mass. "Best Quality"
Turner & Stanton Co., Norwich, Conn.

WIRE, Spring—See Wire, Brass; also Wire, Steel

WIRE SPRINGS—See kind desired under Springs

WIRE STAPLES—See Staples, Wire; also Hasps and Staples; also Hooks and Staples

WIRE, Stapling

Acme Steel Co., Chicago, Ill.
American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
Interstate Iron & Steel Co., Chicago, Ill.
Mid-States Steel & Wire Co., Crawfordsville, Ind.
Wickwire Spencer Steel Co., Inc., 41 E. 42d, New York, N. Y.

WIRE, Steel

American Steel Co., Pittsburgh, Pa.
American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
Athenia Steel Co., 135 William, New York, N. Y.
Bethlehem Steel Co., Bethlehem, Pa. "Cambria"
Bridgeport Screw Co., Bridgeport, Conn.
Buffalo Bolt Co., No. Tonawanda, N. Y.
Carpenter Steel Co., Reading, Pa.
Cary Spring Wks., 240 W. 29th, New York, N. Y.
Cedarburg Wire & Wire Nail Co., Cedarburg, Wis.
Colorado Fuel & Iron Co., Denver, Colo.
Crucible Steel Co. of America, Pittsburgh, Pa.
Cyclone Fence Co., Waukegan, Ill.
Driscoll Wire Co., Shelton, Conn.
Globe Wire Co., Sharpsburg, Pa.
Gulf States Steel Co., Birmingham, Ala.
Halcomb Steel Co., Syracuse, N. Y.
Interstate Iron & Steel Co., Chicago, Ill.
Indiana Steel & Wire Co., Muncie, Ind.
Iron Trade Products Co., Pittsburgh, Pa.
Jones & Laughlin Steel Co., Pittsburgh, Pa.
Keystone Steel & Wire Co., Peoria, Ill.
Kidd Drawn Steel Co., Aliquippa, Pa.
Ludlum Steel Co., Watervliet, N. Y.
Mid-States Steel & Wire Co., Crawfordsville, Ind.
National Umbrella Frame Co., Phila., Pa.
New York Machinery Co., 27 W. 24th, New York, N. Y. (Baling)
Niagara Steel Wire Co., Buffalo, N. Y.
Northwestern Barb Wire Co., Sterling, Ill.
Norton Iron Wks., Ashland, Ky.
Page Steel & Wire Co., Monessen, Pa.
Pittsburgh Steel Co., Pittsburgh, Pa.
Pittsburgh Tool Steel Wire Co., Monaca, Pa.
Prentiss (G. W.) & Co., Holyoke, Mass.
Roebling's (John A.) & Sons Co., Trenton, N. J.
Ryerson (Jos. T.) & Son, Inc., Chicago, Ill.
Seneca Wire & Mfg. Co., Fostoria, O.
Townsend Co., New Brighton, Pa.
Wheeling Corrugating Co., Wheeling, W. Va.

WIRE, Steel (Continued)

Wickwire Bros., Cortland, N. Y.
Wickwire Spencer Steel Co., Inc., 41 E. 42d, New York, N. Y.
Wilson Steel Products Co., Chicago, Ill.
Youngstown Steel Products Co., Youngstown, O.

WIRE, Steel, Spring

American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
Bethlehem Steel Co., Bethlehem, Pa. "Cambria"
Indiana Steel & Wire Co., Muncie, Ind. "Imperial"
Malin & Co., Cleveland, O. (Music)
Midvale Steel & Ordance Co., Phila., Pa. "Cambria"
Page Steel & Wire Co., Monessen, Pa.
Pittsburgh Steel Co., Pittsburgh, Pa.
Roebling's (John A.) Sons Co., Trenton, N. J.
Ryerson (Jos. T.) & Son, Chicago, Ill.
Washburn Wire Co., Inc., 550 E. 118th, New York, N. Y. "Waterbury Peerless" (Music)
Wickwire Spencer Steel Co., Inc., 41 E. 42d, New York, N. Y.

WIRE, Stove Pipe

Reynolds Wire Co., Dixon, Ill. "Sun-Red Edge"

WIRE STRETCHERS—See Stretchers, Fence and Wire; also Pullers, Wire

WIRE TANK BALL STEMS—See Tank Ball Stems, Wire

WIRE TRELLISES—See Trellises

WIRE, Welding—See Rods, Welding

WIRING CLEATS—See Cleats, Wiring

WOOD ALCOHOL—See Alcohol, Denatured

WOOD BAND SAWS—See Saws, Band, Wood Cutting

WOOD BASKETS—See Baskets, Wood

WOOD BITS—See Bits, Auger

WOOD BORING BRACE DRILLS—See Drills, Wood Boring Brace

WOOD BOXES—See Boxes, Wood

WOOD CARVING TOOLS—See Tools, Wood Carving

WOOD CONSTRUCTION TOYS—See Construction Toys

WOOD "D" HANDLES—See Handles, "D," Steel and Wood

WOOD DYES—See Stains, Oil; also Stains, Varnish

WOOD FILLERS—See Fillers, Wood; also Paints; also Varnishes

WOOD FILLET—Dee Fillet, Leather and Wood

WOOD HEATERS—See Stoves and Ranges, Coal and Wood

WOOD HOLDERS—See Holders, Wood

WOOD JOINT FASTENERS—See Fasteners, Wood Joint

WOOD OVERHEAD ACTING GARAGE DOORS—See Doors, Garage, Overhead Acting, Steel or Wood

WOOD PASTES

Boyle (A. S.) Co., Cincinnati, O. "Plastic Wood"
Sheffield Bronze Powder & Stencil Co., Cleveland, O.
Teele Soap Mfg. Co., Cambridgeport, Mass. "Tee-Lex"
Woolsey (C. A.) Paint & Color Co., 500 Grand, Jersey City, N. J.

WOOD, Plastic

Boyle (A. S.) Co., Cincinnati, O.
Savogran Co., Boston, Mass.

WOOD, Pliable

Chemical Wood Products Co., Portland, Ore. "Re-Nu"

WOOD PULLEYS—See Pulleys, Wood, Split

WOOD RANGES—See Stoves and Ranges, Coal and Wood

WOOD SAW FRAMES—See Frames, Wood Saw

WOOD SAWS—See Saws, Buck

WOOD SCREWS—See Screws, Wood

WOOD STAINS—See Stains, Oil; also Stains, Varnish; also Paints; also Varnishes

WOOD STOVES—See Stoves and Ranges, Coal and Wood

WOOD TANKS—See Tanks, Wood

WOOD TURNINGS—See Turnings, Wood

WOOD TOYS

All Fair, Inc., Churchville, N. Y.
C. & S. Novelty Co., Reading, Pa.
Clement Toy Co., North Weare, N. H.
Fisher-Price Toys, Inc., East Aurora, N. Y. "Woodsy-Wee"
Gibbs Mfg. Co., Canton, O.
Gould Mfg. Co., Toy Div., Oshkosh, Wis. "Toddler"
Lovell Mfg. Co., Erie, Pa. (Animal)
Platts Box Co., Troy, N. Y.
Stiles (H. A.) & Co., Boston, Mass.
Strombeck-Becker Mfg. Co., Moline, Ill. (Trains)
Toy Tinkers, Inc., Evanston, Ill.

WOODEN BALLS—See Balls, Wooden

WOODEN BANKS, Toy—See Banks, Wood

WOODEN BARRELS—See under Barrels

WOODEN BARROWS—See Wheelbarrows, All Types and Classifications

WOODEN BENCH VISES—See Vises, Bench

WOODEN BOATS, Toy, Mechanically Operated—See Boats, Toy, Mechanically Operated

WOODEN BOWLS—See Bowls, Wooden

WOODEN BUCKETS—See Pails and Buckets, Wooden

WOODEN DOLL BEDS—See Beds, Doll

WOODEN DOLLS—See Dolls, Wood

WOODEN DOWEL PINS—See Pins, Dowel, Wooden

WOODEN DOWEL RODS—See Rods, Dowel, Wooden

WOODEN HAMMERS—See Mallets, Wooden

WOODEN HANDLE SPOONS—See Spoons, Wooden Handle

WOODEN HOSE MENDERS—See Menders, Hose

WOODEN KITS—See Pails and Buckets, Wooden

WOODEN KNOBS—See Knobs, Wooden

WOODEN MALLETS—See Mallets, Wooden

WOODEN MATS—See Mats, Wooden, Flexible

WOODEN MAULS—See Mauls, Wooden

WOODEN PAILS—See Pails and Buckets, Wooden

WOODEN PLUGS—See Plugs, Wooden

WOODEN PUMPS—See Pumps, Wooden

WOODEN SCOOPS—See Scoops, Wooden

WOODEN SPOONS—See Spoons, Wooden

WOODEN TOYS—See kind desired

WOODEN TUBS—See Pails and Buckets, Wooden

WOODEN WARE—See article desired

WOODEN WEDGES—See Wedges, Box, Spoke and Tool

WOODWORKERS' CLAMPS—See Clamps, Woodworkers'

WOODWORKERS' VISES—See Vises, Woodworkers'

WOODWORKING MACHINERY—See Machines, Woodworking

WOOL DUSTERS—See Dusters, Wool

WOOL, Lead

National Lead Co., 111 B'way, New York, N. Y.

WOOL, Steel

Acme Asbestos Covering & Flooring Co., Chicago, Ill.
American Steel Wool Mfg. Co., 9 Desbrosses, New York, N. Y. "Ideal"
Brillo Mfg. Co., 205 Water, B'klyn., N. Y. "Supreme"
Eagle Steel Wool Co., Chicago, Ill.
International Skour-Pak Corp., 1907 Park Av., New York, N. Y.
International Steel Wool Co., Springfield, O. "Elephant," "Rid"
Metal Textile Corp., Orange, N. J. "Chore Boy"
Montgomery Co., Windsor Locks, Conn. "Kwik-Scour"
Rhodes (Jas. H.) & Co., Chicago, Ill.
Ridgely Trimmer Co., Springfield, O. "Lusterwool"
Rinn (Albert E.) Co., Allentown, Pa.
S. O. S. Mfg. Co., Chicago, Ill.
Whiskette Mfg. Co., Terre Hill, Pa.
Williams Co., London, O. "Sunray"

WORK BENCHES—See under Benches

WORKING GLOVES—See Gloves, Canvas, Cotton, Etc.

WORM CAST RAKES—See Rakes, Putting Green

WORM CHARMERS, Electric

American Metalcraft, Inc., Indianapolis, Ind. "Nimrod"
Holt (Edward) Co., Chicago, Ill.
Swartzbaugh Mfg. Co., Toledo, O. "Wupee"

WRAPPING PAPER—See Paper, Wrapping

WRAPPING PAPER CUTTERS—See Cutters, Paper, Roll

WRAPPING TWINE—See Twine, Wrapping

WREATHS, Artificial

Darow Mfg. Co., 36 E. 20th, New York, N. Y. (Electric)
Hahn, Arthur W., 199 Lafayette, New York, N. Y.

WRECKING BARS—See Bars, Wrecking

WRENCH SETS, Socket—See Sets, Socket Wrench

WRENCHES, Adjustable

Agner Simplex Co., Burlington, Wis. "Simplex"
Albany Hdw. Specialty Mfg. Co., Albany, Wis.
American Industrial Corp., 230 Park Av., New York, N. Y. "Fulrange"
Art Metal Wks., 7 Mulberry, Newark, N. J. "Robson"
Barcalo Mfg. Co., 225 Louisiana, Buffalo, N. Y.
Bemis & Call Co., Springfield, Mass. "B & C," "Coes," "Key-Model," "Knife-Handle," "Star 91"
Bergman Tool Mfg. Co., Buffalo, N. Y. "Queen City"
Billings & Spencer Co., Hartford, Conn. "Triangle B"
Bullock Mfg. Associates, Div. of Parker Wire Goods Co., Worcester, Mass.
Chicago Tool & Kit Mfg. Co., Chicago, Ill. "C. T. K."
Coaster-Car Mfg. Co., Buffalo, N. Y. "Non-Skid"
Collins Co., Collinsville, Conn.
Corry Wrench Co., Corry, Pa.
Crescent Tool Co., Jamestown, N. Y. "Crestoloy"
Diamond Calk Horse Shoe Co., 4622 Grand Av., Duluth, Minn. "Diamalloy"
Erie Tool Works, Erie, Pa.
Fairmount Tool & Forging Co., Cleveland, O.
Flash Sales Corp., Chicago, Ill. "PlieRench"
Gellman Mfg. Co., Rock Island, Ill. "Polly"
Greene, Tweed & Co., 109 Duane, New York, N. Y. "Baxter"
Greenfield Tap & Die Corp., Greenfield, Mass. "G T D," "Little Giant"
Heller Bros. Co., Newark, N. J. "Masterench"
Hoe Corp., Poughkeepsie, N. Y. "Roberts"
International Nutyp Tool Co., Oswego, N. Y.
Keystone Mfg. Co., Buffalo, N. Y. "Westcott S"
Kilborn & Bishop Co., New Haven, Conn. "Green Line"
Marion Craftsman Tool Co., Marion, Ind.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Milwaukee Tool & Forge Co., South Milwaukee, Wis.
Monte Wrench Co., Shelbyville, Ind.
Noble & Westbrook Mfg. Co., East Hartford, Conn. "Carlson"
Oliver Mfg. Co., Chicago, Ill.
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Petersen Wrench Co., DeWitt, Neb. "Vise-Grip"
Phoenix Hdw. Mfg. Co., Buffalo, N. Y.
Rex Wrench Co., Boston, Mass.
Richards-Wilcox Mfg. Co., Aurora, Ill. "Elgin," "Shark"
Robinson (M. W.) Co., 28 Warren, New York, N. Y. "Carll"
Scholler Mfg. Co., Buffalo, N. Y.
Southern Skein & Fdry. Co., Chattanooga, Tenn.
Southington Mfg. Co., Southington, Conn. "Pioneer"
Star Mfg. Co., Carpentersville, Ill. "Elgin"
Superior Tool Co., Cambridge, O. "Du Charme"
Trimont Mfg. Co., Inc., Roxbury (Boston), Mass. "Moroco Popular," "Trimo"
U. S. Hame Co., Buffalo, N. Y. "Lawson"
Utica Drop Forge & Tool Co., Utica, N. Y.
Vlchek Tool Co., 3006 E. 87th, Cleveland, O.
Wakefield All-Steel Wrench Co., Inc., Worcester, Mass. "Wizard"
Walworth Co., Boston, Mass. "Walco"
Welch (T. F.) Co., Boston, Mass.
Williams (J. H.) & Co., Buffalo, N. Y.

WRENCHES, Alligator

Armstrong Bros. Tool Co., 300 N. Francisco Av., Chicago, Ill.
Atwater Mfg. Co., Plantsville, Conn.
Bonney Forge & Tool Works, Allentown, Pa.
Forsyth Metal Goods Co., East Aurora, N. Y.
Harris & Reed, Chicago, Ill. "Sawvian"
Kilborn & Bishop Co., New Haven, Conn. "Green Line," "Saxon," "Terrier"
Kohler Die & Specialty Co., DeKalb, Ill.
Kraeuter & Co., 583 18th Av., Newark, N. J. "Victor"
Malleable Iron Fittings Co., Branford, Conn. (Cast)
Roebling's (John A.) Sons Co., Trenton, N. J.
Southern Skein & Fdry. Co., Chattanooga, Tenn. "Elgin"
Vaughan & Bushnell Mfg. Co., Chicago, Ill. "V. & B."
Williams (J. H.) & Co., Buffalo, N. Y. "Bull Dog"

WRENCHES, Basin

Johnson (William), Inc., 36 Brenner, Newark, N. J. "Buzzle's"
Starbuck (R. M.) & Sons, Hartford, Conn.
Trimont Mfg. Co., Inc., Roxbury (Boston), Mass. "Trimo"
Webb (F. W.) Mfg. Co., Boston, Mass.
Williams (J. H.) & Co., Buffalo, N. Y
Wolff (L) Mfg. Co., Chicago, Ill.

WRENCHES, Bit Brace

Cincinnati Tool Co., Montgomery Rd., Cincinnati, O. "Hargrave".
Eberhard Mfg. Co., Cleveland, O.
Greenfield Tap & Die Corp., Greenfield, Mass. "G T D"
Hudson Parer Co., Leominster, Mass.
Stevens Walden, Inc., Worcester, Mass.

WRENCHES, Bridge Builders' & Iron Workers'

Armstrong Bros. Tool Co., 300 N. Francisco Av., Chicago, Ill.
Bemis & Call Co., Springfield, Mass. "Coes"
Bonney Forge & Tool Wks., Allentown, Pa.
Iron City Tool Works, Pittsburgh, Pa.
Lowell Wrench Co., 54 Commercial, Worcester, Mass. "Red Face"
Whitman-Barnes-Detroit Corp., Detroit, Mich.
Williams (J. H.) & Co., Buffalo, N. Y. "Railroad Special"

WRENCHES, Chain

(See also Wrenches, Pipe; also Wrenches, Stillson)

American Industrial Corp., 230 Park Av., New York, N. Y. "Fulrange"
Armstrong Bros. Tool Co., 300 N. Francisco Av., Chicago, Ill.
Billings & Spencer Co., Hartford, Conn. "Triangle B"
Bonney Forge & Tool Wks., Allentown, Pa.
Drop Forging Co. of New York, 301 West Side Av., Jersey City, N. J. "Spartan"
Forged Products Co., Chicago, Ill. "Gibraltar"
Greene, Tweed & Co., 109 Duane, New York, N. Y. "Champion"
International Nutyp Tool Corp., Oswego, N. Y.
Kroeschel Bros. Co., Chicago, Ill. "Ideal"
Robbins, Gamwell & Co., Pittsfield, Mass.
Trimont Mfg. Co., Inc., Roxbury (Boston), Mass. "Trimo"
Walworth Co., Boston, Mass. "Bostong"
Williams (J. H.) & Co., Buffalo, N. Y. "Agrippa," "Vulcan"

WRENCHES, Crocodile—See Wrenches, Alligator

WRENCHES, Drop Forged—See Wrenches, Screw

WRENCHES, Engineers' and Machinists'

Albany Hdwe. Specialty Mfg. Co., Albany, Wis.
American Industrial Corp., 230 Park Av., New York, N. Y. "Fulrange"
Armstrong Bros. Tool Co., 300 N. Francisco Av., Chicago, Ill. (Vanadium)
Barcalo Mfg. Co., Buffalo, N. Y.
Beckley-Ralston Co., Chicago, Ill.
Bemis & Call Co., Springfield, Mass. "B & C," "Briggs," "Coes," "Merrick"
Bergman Tool Mfg. Co., Buffalo, N. Y. "Queen City"
Bonney Forge & Tool Works, Allentown, Pa.
Bridgeport Hdw. Mfg. Corp., Bridgeport, Conn. "Blu Forge," "Radio-Lectric"
Buffum (Frank G.) Mfg. Co., Louisiana, Mo.
Coaster-Car Mfg. Co., Buffalo, N. Y. "Non-Skid"
Collins Co., Collinsville, Conn. "Legitimus"
Corry Wrench Co., Corry, Pa.
Crescent Tool Co., Jamestown, N. Y. "Crestoloy"
Damascus Steel Products Corp., Rockford, Ill. "Dasco"
Erie Tool Works, Erie, Pa.
Evansville Tool Wks., Inc., Evansville, Ind.
Fairmount Tool & Forging Co., Cleveland, O.
Flash Sales Corp., Chicago, Ill. "PlieRench"
Forged Products Co., Chicago, Ill. "Gibraltar"
Gellman Mfg. Co., Rock Island, Ill.
Girard Wrench Mfg. Co., Girard, Pa.
Greenfield Tap & Die Corp., Greenfield, Mass. "G T D," "Little Giant"
Helwig Mfg. Co., St. Paul, Minn.
Henry & Allen, Auburn, N. Y. "Red Nut"
Hoe Corp., Poughkeepsie, N. Y. "Roberts"
Husky Corp., Kenosha, Wis.
Hy-Speed Wrench Co., Chicago, Ill.
International Nutyp Corp., Oswego, N. Y.
Kilborn & Bishop Co., New Haven, Conn. "Green Line," "Saxon," "Terrier"
Kraeuter & Co., 575 18th Av., Newark, N. J.
Lowell Wrench Co., 54 Commercial, Worcester, Mass.
Lutz Co., Phila., Pa.
Malleable Iron Fittings Co., Branford, Conn. (Cast)
Meadville Wrench Co., Meadville, Pa.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Milwaukee Tool & Forge Co., South Milwaukee, Wis.
Modern Die & Drop Forge Co., Blue Island, Ill.
Monte Wrench Co., Shelbyville, Ind.
Noble & Westbrook Mfg. Co., East Hartford, Conn. "Carlson"
Oliver Mfg. Co., Chicago, Ill.
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Plomb Tool Co., Los Angeles, Cal.
Pratt (Wm. E.) Mfg. Co., Chicago, Ill. "Superior"
Ransom Specialty Co., 7 Mulberry, Newark, N. J.
Southington Mfg. Co., Southington, Conn. "Pioneer"
Stevens Walden, Inc., Worcester, Mass.
Syracuse Wrench Co., Syracuse, N. Y.
Thompson Drop Forge Co., Plantsville, Conn.
Trimont Mfg. Co., Inc., Roxbury (Boston), Mass. "Trimo"
Union Tool Co., Orange, Mass.
Vichek Tool Co., 3006 E. 87th, Cleveland, O.
Wakefield All-Steel Wrench Co., Inc., Worcester, Mass. "Wizard"
Walker-Turner Co., Inc., Plainfield, N. J.
Walworth Co., Boston, Mass.
Whitaker Mfg. Co., Chicago, Ill.
Williams (J. H.) & Co., Buffalo, N. Y. "Superrench"

WRENCHES, Fruit Jar

Anchor Cap & Closure Corp., 22 Queens, Long Island City, N. Y.
Arcade Mfg. Co., Freeport, Ill. "Little Giant"
Bonney Forge & Tool Wks., Allentown, Pa.
Boye Needle Co., Chicago, Ill.
Cooper Products Co., Flint, Mich. "Cable Grip"
Edlund Co., Burlington, Vt. "Topoff"
Ennis Mfg. Co., Reading, Pa.
Forbes (Benj. P.) Co., Cleveland, O. "Triumph"
Girard-McIntosh Mfg. Co., Washington, O.
Glenny (Wm.) Glass Co., Cincinnati, O.
Gordon Mfg. Co., 110 E. 23rd, New York, N. Y. "Wonder" (Combination Can and Bottle Opener)
Handy Things Mfg. Co., Ludington, Mich.
Hoeft & Co., Inc., North Chicago, Ill. "Royal"
Huntington Rubber Mills, Portland, Ore.
Kohler Die & Specialty Co., De Kalb, Ill.
Metalware Co., Detroit, Mich. "Cable Grip"
Parker Wire Goods Co., Worcester, Mass.
Schriver (O. P.) Co., Cincinnati, O. "Sure Grip"
Sommer (J. L.) Mfg. Co., 251 New Jersey Railroad Av., Newark, N. J. "Fit-All"
Tyler Mfg. Co., Muncie, Ind.
United States Lock & Hdwe. Co., Columbia, Pa.
Vaughan Novelty Mfg. Co., Chicago, Ill. "Grip-All"
Washburn Company, Worcester, Mass.
Wilson Mfg. Co., Niles, O.
Wolverine Supply & Mfg. Co., Pittsburgh, Pa. "Little Giant"

WRENCHES, Hopper, Car

Advance Car Mover Co., 112 N. Outgamie, Appleton, Wis. "Advance Safety"
Bishop (C. L.) Co., Youngstown, O. (Universal Safety)
Dayton Car Wrench Co., Dayton, O.
Franklin Equipment Co., Monticello, Ia.
Safety Wrench & Appliance Co., Springfield, Mass. "Swaco"

WRENCHES, Iron Workers'—See Wrenches, Bridge Builders'

WRENCHES, Lag Screw

Dicke Tool Co., Downers Grove, Ill.
Keystone Mfg. Co., Buffalo, N. Y.
Klein (Mathias) & Sons, 3200 Belmont Av., Chicago, Ill.
Larson Tool & Stpg. Co., Attleboro, Mass.
Lowell Wrench Co., 54 Commercial, Worcester, Mass.
Williams (J. H.) & Co., Buffalo, N. Y.

WRENCHES, Machinists'—See Wrenches, Engineers' and Machinists'

WRENCHES, Monkey—See Wrenches, Screw

WRENCHES, Nut—See Wrenches, Adjustable; also Wrenches, Engineers' and Machinists'

WRENCHES, Oil Well

Armstrong Bros. Tool Co., 300 N. Francisco Av., Chicago, Ill.
Baker Iron Wks., Los Angeles, Cal.
Bemis & Call Co., Springfield, Mass. "B & C"
Hill-Krohn Co., Electra, Tex.
Llewellyn Iron Wks., Los Angeles, Cal.
Lowell Wrench Co., 54 Commercial, Worcester, Mass.
Mack Mfg. Co., Houston, Tex.
Plomb Tool Co., Los Angeles, Cal.
Trimont Mfg. Co., Inc., Roxbury (Boston), Mass.

WRENCHES, Pipe

(See also Wrenches, Chain)

Albany Hdwe. Specialty Mfg. Co., Albany, Wis.
American Industrial Corp., 230 Park Av., New York, N. Y. "Fulrange"
Armstrong Bros. Tool Co., 300 N. Francisco Av., Chicago, Ill.
Armstrong Mfg. Co., Bridgeport, Conn.
Belden Mach. Co., New Haven, Conn. "Hayden"
Bemis & Call Co., Springfield, Mass. "B & C"
Billings & Spencer Co., Hartford, Conn. "B. & S."
Bonney Forge & Tool Works, Allentown, Pa. "Always Ready"
Champion DeArment Tool Co., Meadville, Pa.
Damascus Steel Products Corp., Rockford, Ill. "Dasco," "Eagle Claw"
Danielson, J. P., Jamestown, N. Y.
Darling Valve Mfg. Co., Williamsport, Pa.
Drop Forging Co. of New York, 201 W. Side Av., Jersey City, N. J. "Spartan"
Erie Stamping & Mfg. Co., Erie, Pa.
Erie Tool Works, Erie, Pa. "Pipemaster"
Flash Sales Corp., Chicago, Ill. "PlieRench"
Forged Products Co., Chicago, Ill. "Gibraltar"
Gellman Mfg. Co., Rock Island, Ill.
Greene, Tweed & Co., 109 Duane, New York, N. Y. "Brock Standard," "Champion"
Greenfield Tap & Die Corp., Greenfield, Mass. "G T D," "Little Giant"
Heller Bros. Co., 879 Mt. Prospect Av., Newark, N. J. "Masterench"
Henry & Allen, Auburn, N. Y. "Red Nut"
Hoe Corp., Poughkeepsie, N. Y. "Roberts"
International Nutyp Tool Corp., Oswego, N. Y.
Keystone Mfg. Co., Buffalo, N. Y. "Keyco," "Westcott"
Kilborn & Bishop Co., New Haven, Conn. "Green Line," "Saxon," "Terrier"
Kraeuter & Co., 575 18th Av., Newark, N. J. "Victor"
Kroeschell Bros. Co., Chicago, Ill. "Ideal"
Lutz Co., Phila., Pa.
Maydole (David) Tool Corp., Norwich, N. Y.
Mechanical Specialties & Mfg. Co., Chicago, Ill. "Como"
Mechanics Tool & Wrench Co., Greenfield, Mass.
Monte Wrench Co., Shelbyville, Ind.
Nason Mfg. Co., 71 Fulton, New York, N. Y.
Noble & Westbrook Mfg. Co., East Hartford, Conn. "Carlson"
Page-Storms Drop Forge Co., Chicago, Ill.
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Richards-Wilcox Co., Aurora, Ill.
Ridge Tool Co., Elyria, O. "Ridgid"
Ripley Pipe Wrench Co., Ripley, N. Y. "Leader"
Robbins, Camwell & Co., Pittsfield, Mass.
Roebling's (John A.) Sons Co., Trenton, N. J.
Ryerson (Jos. T.) & Son, Chicago, Ill.
Saunders' (D.) Sons, Yonkers, N. Y.
Shaw Propeller Co., Boston, Mass.
Stanley Wks., New Britain, Conn.
Star Mfg. Co., Carpentersville, Ill.
Stearns Mfg. Co., Toledo, O.
Tobrin Tool Co., Plantsville, Conn.
Trimont Mfg. Co., Inc., Roxbury (Boston), Mass. "Moroco Popular," "Roxby," "Trimo"
U. S. Hame Co., Buffalo, N. Y. "Lawson"
Vaughan & Bushnell Mfg. Co., 2114 Carroll Av., Chicago, Ill. "V. & B. Grip"
Wakefield All-Steel Wrench Co., Inc., Worcester, Mass. "Wizard"
Walworth Co., Boston, Mass. "Parmelee," "Master Stillson," "Stillson," "Walco"
Whitaker Mfg. Co., Chicago, Ill.
Williams (J. H.) & Co., Buffalo, N. Y. "Falcon," "Vulcan"
Wolverine Brass Co., Grand Rapids, Mich.
Woodworth Specialties Co., Binghamton, N. Y. "Vise Grip"

WRENCHES, Railroad

Armstrong Bros. Tool Co., 300 N. Francisco Av., Chicago, Ill.
Bemis & Call Co., Springfield, Mass. "B & C," "Coes"
Lowell Wrench Co., 54 Commercial, Worcester, Mass.
Trimont Mfg. Co., Inc., Roxbury (Boston), Mass.

WRENCHES, Ratchet

Alert Tool Co., Phila., Pa.
Allen Wrench & Tool Co., Providence, R. I.
American Saw & Mfg. Co., Springfield, Mass.
Bay State Tap & Die Co., Mansfield, Mass.
Billings & Spencer Co., Hartford, Conn. "Triangle B"
Billmont Wrench Co., Chicago, Ill.
Bog Mfg. Co., Chicago, Ill.
Bonney Forge & Tool Wks., Allentown, Pa.
C. M. B. Wrench Co., Garwood, N. J. "Auto Queen," "Silver King"
Chicago Mfg. & Distributing Co., Chicago, Ill. "C. M. D."
Dicke Tool Co., Downers Grove, Ill.
Eastern Machine Screw Corp., New Haven, Conn. "H & G"
Flash Sales Corp., Chicago, Ill. "PlieRench"
Gellman Mfg. Co., Rock Island, Ill.
Greene, Tweed & Co., 109 Duane, New York, N. Y. "Favorite"
Heller Bros. Co., 879 Mt. Prospect Av., Newark, N. J. "Masterench"
Hoe Corp., Poughkeepsie, N. Y. "Roberts"
Husky Corp., Kenosha, Wis.
Keystone Mfg. Co., Buffalo, N. Y.
Lane (Will B.) Unique Tool Co., Chicago, Ill. "Unique"
Larson Tool & Stamping Co., Attleboro, Mass.
Lovejoy Tool Works, Chicago, Ill.
Lowell Wrench Co., Worcester, Mass. "Multiplex," "Red Face," "Red Socket"
Lutz Co., Phila., Pa.
Maytag Co., Newton, Ia. "Hawkeye"
Mechanical Specialties & Mfg. Co., Chicago, Ill. "La Rock"
Miller Wrench Co., Syracuse, N. Y. "Comet"
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Pratt & Whitney Co., Hartford, Conn.
Q-P Signal Co., Needham Heights, Mass.
Richards-Wilcox Mfg. Co., Aurora, Ill.
Sawyer Belt Hook Co., Pawtucket, R. I. "Peerless"
Starrett (L. S.) Co., Athol, Mass.
Stevens Walden, Inc., Worcester, Mass.
Wakefield All-Steel Wrench Co., Inc., Worcester, Mass. "Wizard"
Williams (J. H.) & Co., Buffalo, N. Y.
Yonts (C. H.) & Co., Meadville, Pa.

WRENCHES, Reamer—See Wrenches, Tap and Reamer

WRENCHES, "S"

Armstrong Bros. Tool Co., 300 N. Francisco Av., Chicago, Ill.
Barcalo Mfg. Co., Buffalo, N. Y.
Bemis & Call Co., Springfield, Mass. "B & C"
Billings & Spencer Co., Hartford, Conn. "B. & S."
Bonney Forge & Tool Works, Allentown, Pa.
Buffum (Frank G.) Mfg. Co., Louisiana, Mo.
Champion De Arment Tool Co., Meadville, Pa.

WRENCHES, "S" (Continued)

Edelmann (E.) & Co., Chicago, Ill.
Erie Tool Works, Erie, Pa.
Fairmount Tool & Forging Co., Cleveland, O.
Forged Products Co., Chicago, Ill. "Gibraltar"
Gellman Mfg. Co., Rock Island, Ill.
Greene, Tweed & Co., 109 Duane, New York, N. Y. "Baxter"
Hubbard & Co., Pittsburgh, Pa.
International Nutyp Tool Corp., Oswego, N. Y.
Keystone Mfg. Co., Buffalo, N. Y. "Westcott"
Kilborn & Bishop Co., New Haven, Conn. "Green Line"
Klein (Mathias) & Sons, 3200 Belmont Av., Newark, N. J.
Kraeuter & Co., 578 18th Av., Newark, N. J.
Malleable Iron Fittings Co., Branford, Conn. (Cast)
Marion Craftsman Tool Co., W. 11th, Marion, Ind.
Modern Die & Drop Forge Co., Blue Island, Ill.
National Malleable Castings Co., Cleveland, O.
Robinson (M. W.) Co., 28 Warren, New York, N. Y. "Carll"
Southington Mfg. Co., Southington, Conn. "Pioneer"
Vlchek Tool Co., 3006 E. 87th, Cleveland, O.
Williams (J. H.) & Co., Buffalo, N. Y. "Superrench"

WRENCHES, Screw

Allen Wrench & Tool Co., Providence, R. I.
Armstrong Bros. Tool Co., 300 N. Francisco Av., Chicago, Ill.
Barcalo Mfg. Co., Buffalo, N. Y.
Bemis & Call Co., Springfield, Mass. "B & C," "Coes"
Billings & Spencer Co., Hartford, Conn.
Bonney Forge & Tool Works, Allentown, Pa.
Coaster-Car Mfg. Co., Buffalo, N. Y. "Non-Skid"
Collins Co., Collinsville, Conn.
Fairmount Tool & Forging Co., Cleveland, O.
Flash Sales Corp., Chicago, Ill. "PlieRench"
Gellman Mfg. Co., Rock Island, Ill.
Girard Wrench Mfg. Co., Girard, Pa.
Greenfield Tap & Die Corp., Greenfield, Mass. "G T D"
Kilborn & Bishop Co., New Haven, Conn. "Green Line"
Manufacturer's Iron & Steel Co., New Brunswick, N. J.
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Peck, Stow & Wilcox Co., Southington, Conn. "Pexto"
Rhode Island Tool Co., Providence, R. I.
Richards-Wilcox Mfg. Co., Aurora, Ill.
Robinson (M. W.) Co., 28 Warren, New York, N. Y. "Carll"
Thomson Drop Forge Co., Plantsville, Conn.
Trimont Mfg. Co., Inc., Roxbury (Boston), Mass. "Moroco Popular," "Trimco"
U. S. Hame Co., Buffalo, N. Y. "Lawson"
Vaughan & Bushnell Mfg. Co., Chicago, Ill.
Vlchek Tool Co., 3006 E. 87th, Cleveland, O.
Wakefield All-Steel Wrench Co., Inc., Worcester, Mass. "Wizard"
Warren Tool & Forge Co., Warren, O.
Western Tool & Forge Co., Brackenridge, Pa.
Whitaker Mfg. Co., Chicago, Ill.
Williams (J. H.) & Co., Buffalo, N. Y. "Always Ready," "Bull Dog"
Woodworth Specialties Co., Binghamton, N. Y. "Vise Grip"

WRENCHES, Shoe Calk

Diamond Calk Horseshoe Co., 4622 Grand Av., Duluth, Minn.

WRENCHES, Socket

Allen Mfg. Co., Hartford, Conn. "Bay State"
Allen Wrench & Tool Co., Providence, R. I. "Allen-Friction," "Allen-Universal," "Eureka"
American Saw & Mfg. Co., Springfield, Mass. "Lenox"
American Swiss File & Tool Co., Elizabeth, N. J.
Armstrong Bros. Tool Co., 300 N. Francisco Av., Chicago, Ill.
Barcalo Mfg. Co., Buffalo, N. Y.
Billings & Spencer Co., Hartford, Conn. "B. & S."
Billmont Wrench Co., Chicago, Ill. "Master"
Bog Mfg. Co., Chicago, Ill.
Bonney Forge & Tool Works, Allentown, Pa.
Bridgeport Hdw. Mfg. Co., Bridgeport, Conn. (Cast)
Brown (Arthur S.) Mfg. Co., Tilden, N. H.
Buffalo Tool & Stamping Corp., Buffalo, N. Y.
C. M. B. Wrench Co., Garwood, N. J. "Auto Queen," "Silver King"
Chicago Mfg. & Distributing Co., Chicago, Ill. "C. M. D."
Cincinnati Tool Co., Montgomery Rd., Cincinnati, O. "Hargrave"
Dicke Tool Co., Downers Grove, Ill.
Dormeyer (A. F.) Mfg. Co., Chicago, Ill.
Duro Metal Products Co., Chicago, Ill.
Eastern Mach. Screw Co., New Haven, Conn. "H. & G."
Eddy Valve Co., Waterford, N. Y.
Edelmann (E.) & Co., Chicago, Ill.
Fairmount Tool & Forging Co., Cleveland, O.
Flash Sales Corp., Chicago, Ill. "PlieRench"
Gellman Mfg. Co., Rock Island, Ill.
Harris (Samuel) & Co., Chicago, Ill.
Husky Corp., Kenosha, Wis.
Ideal Clamp Mfg. Co., 200 Bradford, B'klyn, N. Y.
Keystone Mfg. Co., Buffalo, N. Y. "Giant"
Kilborn & Bishop Co., New Haven, Conn. "Green Line"
King Pressed Steel & Mfg. Co., Newton, Mass.
Lane (Will B.) Unique Tool Co., Chicago, Ill. "Unique"
Lowell Wrench Co., 54 Commercial, Worcester, Mass. "Red Socket"
Malleable Iron Fittings Co., Branford, Conn. (Cast)
Miller Wrench Co., Syracuse, N. Y. "Autos' Friend"
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Milwaukee Tool & Forge Co., South Milwaukee, Wis.
National Mechanical Corp., Chicago, Ill.
New Britain Mach. Co., New Britain, Conn.
New England Pressed Steel Co., Natick, Mass.
North Bros. Mfg. Co., Phila., Pa. "Yankee"
O. K. Tool Co., Shelton, Conn.
Plomb Tool Co., Los Angeles, Cal.
Snap-On Wrench Co., Milwaukee, Wis.
Stevens Walden, Inc., Worcester, Mass.
Universal Wrench & Accessories Mfg. Co., 9 W. Kinzie, Chicago, Ill. "Code Universal"
Viking Specialty Co., Worcester, Mass.
Vlchek Tool Co., 3006 E. 87th, Cleveland, O.
Wakefield All-Steel Wrench Co., Inc., Worcester, Mass. "Wizard"
Walker-Turner Co., Inc., Plainfield, N. J.
Williams (J. H.) & Co., Buffalo, N. Y.
Winter Bros. Co., Wrentham, Mass.
Worcester Pressed Steel Co., Worcester, Mass.
Worcester Stamped Metal Co., Worcester, Mass.

WRENCHES, Strap

Coleman, Allan J., Chicago, Ill. "Peerless"
Erie Tool Wks., Erie, Pa.
Reed Mfg. Co., Erie, Pa.

WRENCHES, Tap and Reamer

Alert Tool Co., Phila., Pa.
Alvord-Polk Reamer & Tool Co., Millersburg, Pa.
Armstrong Mfg. Co., Bridgeport, Conn.
Bay State Tap & Die Co., Mansfield, Mass.
Bergman Tool Mfg. Co., Buffalo, N. Y. "2 in 1"
Billings & Spencer Co., Hartford, Conn. "B. & S."
Bonney Forge & Tool Wks., Allentown, Pa.
Brubaker (W. L.) & Bros., Millersburg, Pa.
Bullock Mfg. Associates, Div. of Parker Wire Goods Co., Worcester, Mass.
Butterfield & Co., Div., Union Twist Drill Co., Derby Line, Vt.
Card (S. W.) Mfg. Co., Div., Union Twist Drill Co., Mansfield, Mass. "Horsefield"
Carpenter (J. M.) Tap & Die Co., Pawtucket, R. I. "Nichols"
Champion Blower & Forge Co., Lancaster, Pa.
Conan & Donelson Co., Conway, Mass. "Reliable"
Consolidated Tool Wks., 509 Madison Av., New York, N. Y. "Pilot"
Dikeman Mfg. Co., Norwalk, Conn.
Flash Sales Corp., Chicago, Ill.
Greenfield Tap & Die Corp., Greenfield, Mass. "G T D"
Hart Mfg. Co., Cleveland, O. "Duplex"
Keystone Mfg. Co., Buffalo, N. Y.
Keystone Reamer & Tool Co., Millersburg, Pa.
Kilborn & Bishop Co., New Haven, Conn. "Green Line"
Mechanics Tool & Wrench Co., Greenfield, Mass. "Adamantine"
Millers Falls-Goodell Pratt Co., Greenfield, Mass.
Morse Twist Drill & Mach. Co., New Bedford, Mass.
North Bros. Mfg. Co., Phila., Pa. "Yankee" (Ratchet)
Pawtucket Mfg. Co., Pawtucket, R. I.
Poorman, J. E., Phila., Pa.
Pratt & Whitney Co., Hartford, Conn.
Robinson (M. W.) Co., 28 Warren, New York, N. Y. "Rollis"
Russell Mfg. Co., Greenfield, Mass.
Sawyer Tool Mfg. Co., Ashburnham, Mass.
Standard Tool Co., 6700 Central Av., Cleveland, O.
Starrett (L. S.) Co., Athol, Mass.
Union Tool Co., Orange, Mass.
Walworth Co., Boston, Mass.
Williamsburg Mfg. Co., Williamsburg, Mass.
Winter Bros. Co., Wrentham, Mass.

WRENCHES, Tappet—See Wrenches, Engineers' and Machinists'

WRINGER ROLLS—See Rolls, Wringer, Rubber

WRINGERS, Clothes

Corcoran Mfg. Co., Cincinnati, O. (Power Washing Machine)
Chamberlain Corp., Waterloo, Ia. (Power)
Lovell Mfg. Co., Erie, Pa. "Acme," "Anchor Brand," "Automatic," "Bicycle," "Brighton," "Climax," "Crescent," "Daisy," "Domestic," "Easy," "Erie," "Guarantee," "Horse-Shoe Brand," "Hotel," "Improved," "Invincible," "Keystone," "Kingston," "Leader," "Novelty," "Old Reliable," "Perfect," "Pioneer," "Relief," "Republic," "Rival," "Riverside," "Royal," "Superb," "Superior," "Swan," "Universal," "Wearwell"
Nineteen Hundred Washer Co., Binghamton, N. Y.
Prima Mfg. Co., Inc., Sidney, O. "Nevercrush"
Troy Laundry Mchy. Co., Chicago, Ill.

WRINGERS, Clothes, Toy

Wolverine Supply & Mfg. Co., Pittsburgh, Pa. "Sandy Andy"

WRINGERS, Mop

American Sandard Mfg. Co., Chicago, Ill.
Atlantic Stamping Co., Rochester, N. Y.
B. B. Specialty Co., Minneapolis, Minn. "Perfection"
Boller (Peter) Machine Wks., Chicago, Ill. "All Steel," "Challenge," "Derby," "Derby Pull-Thru," "Household Pull-Thru," "Iron Clad," "Lawler," "Perfect"
Bushnell Novelty Co., Mansfield, O. "Bulldog"
C-K-R Company, Cleveland, O. "Little Wonder"
Christensen (H. K.) Mfg. Co., Ft. Atkinson, Wis. "Oval Double Cone"
Cope-Swift Co., Inc., Detroit, Mich. "Little Handy"
Dobbins Mfg. Co., St. Paul, Minn.
Eagle Woodenware Mfg. Co., Hamilton, O. (Also Mop Trucks)
Ely Mfg. Co., Girard, Pa. "Automatic," "Reliance"
Erie Gas Mantle Mfg. Co., Erie, Pa. "Mary Ann"
Erie Mop & Wringer Co., East Rochester, N. Y.
Gilchrist Co., 286 Brank, Newark, N. J.
Home Comfort Co., St. Paul, Minn. "Family"
Ideal Can Co., Everett, Mass.
Kautenberg (W. E.) Co., Inc., Freeport, Ill. "Marvel"
Kent Vacuum Cleaner Co., Rome, N. Y.
Lamothe (E. J.) Co., Somerville, Mass. "Lamco"
Lisk Mfg. Co., Ltd., Canandaigua, N. Y.
Lovell Mfg. Co., Erie, Pa. "Empress," "Universal"
Market Forge Co., Everett, Mass. "Brockton"
Ohio Mop Co., East Cleveland, O.
Robeson-Rochester Corp., Rochester, N. Y. "Royal Rochester," "Vanco"
Sanitary Stamped Ware & Specialties Co., 415 W. B'way, New York, N. Y. "One Twist"
Smith System Heating Co., Minneapolis, Minn. "Ellis"
Squeez-Ezy Mop Co., Inc., New Orleans, La.
Success Mfg. Co., Gloucester, Mass.
Tucker & Dorsey Mfg. Co., Indianapolis, Ind. "Columbia"
White Mop Wringer Co., Fultonville, N. Y. "White Cant Splash"

WRIST BANDS, Leather—See Bands, Wrist, Leather

WRITERS, Show Card—See Showcard Writers

WROUGHT IRON HARDWARE

Braun (J. G.) Co., Chicago, Ill.
Corbin, P. & F., New Britain, Conn.
Earle Hardware Mfg. Co., Reading, Pa.
Gardner-Vail, Inc., Chicago, Ill.
Hess (Chas.) Co., 49-14 Metropolitan Av., B'klyn, N. Y.
Howes (S. M.) Co., Boston, Mass.
Janusch Mfg. Co., 282 E. 135th, New York, N. Y.
McKinney Mfg. Co., Pittsburgh, Pa.
National Pipe Bending Co., New Haven, Conn.
Peter (Jas.) & Son, Phila., Pa.
Standard Iron & Wire Wks., Chattanooga, Tenn.
Stewart Iron Wks. Co., Inc., 814 Stewart Block, Cincinnati, O.
Tilley, Charles A., Williamsburg, Mass.
Todhunter, Inc., 119 E. 57th, New York, N. Y.
Treasure Chest, Asheville, N. C.
United Specialties Mfg. Co., Ltd., Richmond Hill, N. Y.
Yellin, Samuel, Phila., Pa.

WROUGHT IRON LAMPS—See Lamps, Artistic Bronze and Wrought Iron

WROUGHT IRON PIPE—See Pipe

WROUGHT STEEL HARDWARE—See Hardware, Wrought Steel

YACHT ANCHORS—See Anchors, Boat, Ship, Etc.

YARDSTICKS
(See also Rules)

Bogert & Hopper, 223 Varick, New York, N. Y.
Estes (E. B.) & Sons, Inc., 25 Vanderbilt, Av., New York, N. Y.
Lucas Rule Co., Silver Springs, N. Y.
Lufkin Rule Co., Saginaw, Mich.
Master Rule Mfg. Co., 817 E. 136th St., New York, N. Y.
Stanley Wks., New Britain, Conn.
Westcott Rule Co., Seneca Falls, N. Y. (Wood)

YARDSTICKS, Advertising

American Mfg. Concern, Falconer, N. Y.
Estes (E. B.) & Sons, Inc., 25 Vanderbilt Av., New York, N. Y.
Klein Advertising Co., Quincy, Ill.
Mills-Reynolds Co., Akron, O.
Stanley Wks., New Britain, Conn.

ZINC COATED NAILS—See Nails, Zinc Coated

ZINC and COPPER ORNAMENTS—See Ornaments, Copper and Zinc

ZINC NAILS—See Nails, Zinc

ZINC, Sheet

American Zinc Products Co., Greencastle, Ind.
Apollo Metal Works Co., La Salle, Ill.
Clendenin Bros., Inc., Baltimore, Md.
Illinois Zinc Co., Chicago, Ill.
Matthiessen & Hegeler Zinc Co., Chicago, Ill.
Milcor Steel Co., Milwaukee, Wis.
New Jersey Zinc Sales Co., 160 Front, New York, N. Y.

ZINC, Slab

Eagle-Picher Lead Co., Cincinnati, O.
Federated Metals Corp., Chicago, Ill.
Illinois Smelting & Refining Co., Chicago, Ill.

ZINC WHITE—See Paints

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THE ADVERTISERS INDEX is published as a convenience and not as a part of the advertising contract. Every care will be taken to index correctly. No allowance will be made for errors or failure to insert.

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In writing to jobbers or manufacturers regarding any of this merchandise all doubt will be avoided if you mention that you are referring to the information as given in the Hardware Age—Directory Number. Mention the page number.

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THE F. E. MYERS & BRO. COMPANY

ASHLAND, OHIO

PRODUCTS

Well, House and Cistern Pumps, Pump Stands, Pumping Jacks, Tank Pumps, Cylinders, Hand and Power Spray Pumps, Nozzles and Accessories. Self-Oiling Shallow and Deep Well Power Pumps,

Take Off Your Hat To The MYERS
PUMPS · WATER SYSTEMS · HAY TOOLS · DOOR HANGERS
TRADE MARK

PRODUCTS

Hand and Power Water Systems, Hay and Grain Unloading Tools, Barn and Garage Door Hangers, Store Ladders, etc.

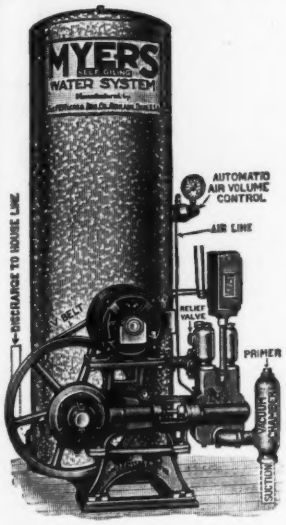


Fig. 2510

The Myers Self-Oiling Home Water System—Fig. 2510

Designed for operation from any kind of city current or from farm lighting and power systems for use in cisterns or shallow wells up to 22 feet in depth. Requires floor space 25x30x51 inches high.

Operation is controlled by an electric switch which automatically starts the pump when the pressure in the tank falls to 20 pounds and stops the pump when the pressure reaches 40 pounds. The pressure is always maintained between these two points. The air supply in the tank is automatically controlled by special air valve. All working parts are automatically lubricated by oil splash from the crank case, except the idler pulley, which has a compression grease cup.

Tank is galvanized iron, electric welded; size, 16x48 inches, 42 gallons capacity, mounted on iron bed plate, carrying both pump and tank.

Motors are of the Repulsion and Induction Type, with extra high starting torque.

Pump No.	Capacity Gal. per Hour	Motor		Suction Inch	Discharge Inch	Tank Galvanized	
		H. P.	Current				
906AT	250	⅙	A.C. or D. C.	¾	¾	42	Prices on
909AT	340	¼	A.C. or D.C.	1	¾	42	Request

Foot Valve with Brass Gauze Strainer..... Price on Request

The above Water Systems are complete with Vacuum Chamber, Relief Valve, Air Valve, Pressure Control Switch, Automatic Air and Water Volume Control Valve, Endless V-Belt, Base and Connecting Fittings.

The Myers Deep Well Water System—With Complete Automatic Control—Fig. 2700

For V-Belt or Silent Chain Drive

This System is composed of the Myers Self-Oiling Working Head with a Motor mounted on Gear Case, connected to a 42-gallon Galvanized Tank. The Air is supplied by the Air Cylinder and is controlled by the automatic air control feature which eliminates air bound or water logged tanks. The Pump is connected direct to the tank by using a Union Check Valve between Pump and Tank. The water is pumped direct into the Tank and the air is supplied by the Air Cylinder through the water line between Pump and Tank.

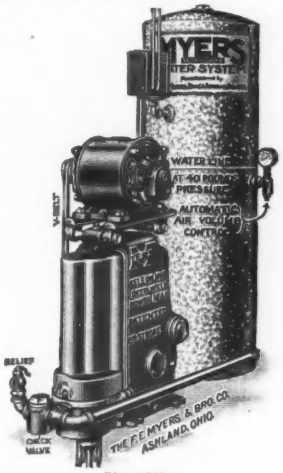


Fig. 2700

Price List—Fig. 2700

No. V2950AMT—Complete as shown, including ½ H. P., 110-220 volt 60 cycle, single phase, A. C. Motor, V-Belt, Pressure Gauge, Air Control, Electric Switch, Relief Valve and 42-Gallon Galvanized Tank. (Cylinder Not Included). Price.....
No. V2950AMTS—Same as No. V2950AMT, except with 4-foot Anti-Freezing Set Length. (Plank Base Not Included). Price..... Prices on Request
No. C2950AMT—Chain Drive, otherwise same as No. V2950AMT. Price.....
No. C2950AMTS—Chain Drive, otherwise same as No. V2950AMTS. Price.....
Any of above outfits with ⅓ H. P., A. C., deduct.....
Any of above outfits with ¾ H. P., 60-cycle, single phase A. C., add to above lists.....
Any of above V-Belt Outfits with 1 H. P., A. C. motor, add.....
Any of above Chain Drive Outfits with 1 H. P., A. C. motor, add.....
Any of the above Outfits less Pressure Tank and Air Control, deduct from lists.....
Extra V-Belt for V Belt Driven Pumps.....

Furnished with Stuffing Box instead of Plunger Tube if specified on order. Working Barrel or Cylinder Not Included in regular Lists.

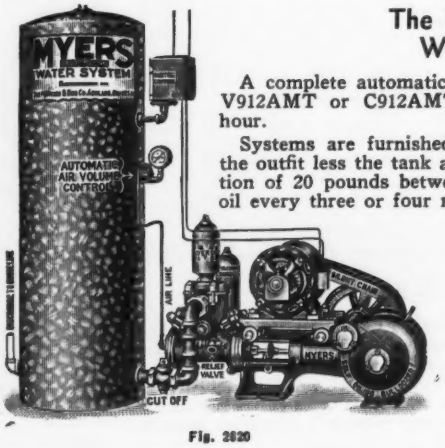


Fig. 2620

The Myers Self-Oiling Shallow Well Water System With Complete Automatic Control—Fig. 2620

A complete automatic unit for shallow wells not to exceed 24 feet in depth. Capacity—Nos. V912AMT or C912AMT, 500 gallons per hour; Nos. V913AMT or C913AMT, 1,000 gallons per hour.

Systems are furnished with 42-gallon galvanized tanks. (Where larger tank is required order the outfit less the tank and install any size tank desired). Operation is automatic and with a variation of 20 pounds between low and high pressure needs no attention, excepting to replenish the oil every three or four months.

Price List—Fig. 2620

No. C912AMT—Silent Chain Drive, complete as shown in Fig. 2620, including 912AM 2½x3-inch Pump, ½ H. P. 110-220 volt, 60 cycle, single phase, A. C. Motor, Automatic Air and Water Control Valve, Pressure Gauge, Electric Switch, 42-Gallon Galvanized Tank, Relief Valve, Cut-off and Connecting Pipe. Price.....
No. C913AMT—As above, with 913AM 3x4-inch Pump, 1. H. P. 110-220 volt, 60 cycle, single phase A. C. Motor. Price..... Prices on Request
No. V912AMT—V-Belt Drive, otherwise same as No. C912AMT. Price.....
No. V913AMT—V-Belt Drive, otherwise same as No. C913AMT. Price.....
When any of the above Outfits are furnished less Pressure Tank and Water Gauge, prices wil be reduced.

If Frequency and Voltage are other than specified on this page, there will be an extra charge. Specify current used. If A. C. give phase, frequency and voltage. If D. C. give voltage.

THE F. E. MYERS & BRO. COMPANY, Ashland, Ohio

Myers Self-Oiling Water Systems—Fig. 2739

With 12 Gallon Galvanized Tanks

This Direct Shallow Well Water System is automatically controlled and has a real range of usefulness without the disadvantages of too frequent starting and stopping and excessive wear and tear on pump, motor and switch. Ideal for small homes, summer cottages, filling stations and numerous other places where economical and dependable service is required. Pressure range is 20 to 40 pounds. Air supply in tank is controlled by automatic air volume control. Floor space 25x25x27 inches high. Furnished complete in two sizes, 250 and 340 gallon capacities, as listed below.

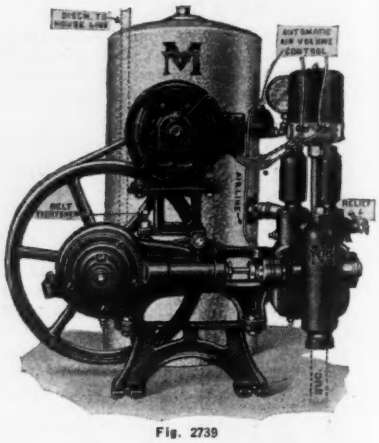


Fig. 2739

Price List—Fig. 2739—Complete Water Systems

Pump No.	Capacity Gal. per Hour	Motor		Suction Inch	Discharge Inch	Tank Galv.	Price
		H. P.	Current				
927AM	250	⅙	A. C. or D. C.	¾	¾	12 Gal.	Prices on Request
928AM	340	¼	A. C. or D. C.	1	¾	12 Gal.	

Foot Valve with Brass Gauze Strainer. Price.....On Request

The above Water Systems are complete with Motor, Vacuum Chamber, Relief Valve, Pressure Control Switch, Pressure Gauge, V-Type Belt, 12 Gallon Galvanized Tank, Automatic Air Volume Control and Flexible Copper Connection between Pump and Tank.

Myers Deep Well Direct Water Systems—Fig. 2741

V-Belt or Silent Chain Drive

Fig. 2741

Here is a practical deep well direct water system composed of the Myers Self-Oiling Deep Well Power Pump, motor and 12 gallon tank which affords a sufficient cushion to eliminate the very objectionable feature of too frequent starting and stopping. It is completely automatic. Self-Starting, Self-Stopping, Self-Oiling. Air volume in tank is controlled by automatic air control. Furnished only in six-inch stroke size. Floor space 16x40x33 inches high. Ideal for use wherever fresh water is desired from a deep well or other source. Easy to install. Economical to operate. Dependable for service.

Price List—Fig. 2741

No. V2956AM Complete as shown, including ½ H. P. 110-220 Volt, 60 Cycle, Single Phase, A. C. Motor, V-Belt, Pressure Gauge, Automatic Air Volume Control, Electric Switch, 12 Gallon Air Chamber and Relief Valve.....
No. V2956AMS Same as No. V2955AM, with a 4-foot Anti-Freezing Set Length.....
No. C2956AM Same as No. V2956AM, except with Silent Chain Drive.....
No. C2956AMS Same as No. V2956AMS, except with Silent Chain Drive.....
If with ½ H. P., A. C. Motor as above, deduct from above price.....
If with ¾ H. P., A. C. Motor as above, add to above price.....
If with 1 H. P., A. C. Motor as above, V-Belt, add to above price.....
If with 1 H. P., A. C. Motor, Silent Chain, add to above price.....
Furnished with Stuffing Box instead of Plunger Tube if specified on order.

} Prices on Request

Myers Shallow Well Self-Oiling Bulldozer Power Pumps—Fig. 2633

250 to 9000 Gallons of Water per Hour

Designed for pumping water from shallow wells or cisterns, ponds, streams, lakes or other sources of supply. Motor or engine operation. Silent Chain, V-Belt or Direct Drive. Furnished complete with motor as illustrated, or the bare pump with tight and loose pulleys or tight pulley only and belt tightener for flat belt drive from motor or engine. Positive self-lubrication, housed working parts, machine cut gears, oversize valves, unrestricted water-ways, extra large volume, freedom from wear and breakage, extended service years. For open tank, pressure tank or other use. Complete size range and prices on request.

Fig. 2628

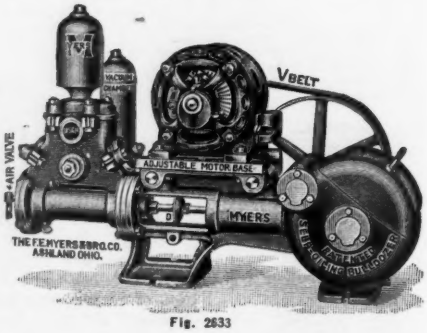


Fig. 2633

Myers Deep Well Self-Oiling Power Pumps—Fig. 2628

6, 9, 12, 18 and 24-Inch Strokes

In localities where deep well service is necessary Myers Deep Well Self-Oiling Power Pumps or Working Heads have firmly established themselves. Their performance records under almost every conceivable condition convince critical buyers of their superiority. Styles and sizes for any service up to 8-inch drop line. With or without motors. V-Belt, Flat Belt or Silent Chain Drive. Also bare pumps with tight and loose pulleys for engine or tight pulley for motor. Ideal for open tank, pressure tank or other service. Complete size range and prices on request.

THE F. E. MYERS & BRO. COMPANY, Ashland, Ohio

Fig. 2299

THE MYERS COG GEAR SUBMERGED CYLINDER DOUBLE ACTING Force Pump—Fig. 2299

For use in Drilled or Open Wells and especially adapted for small diameter drilled wells. Has easy operating cog gear head with malleable iron shield over gears. Base of pump is hollow with a pipe running through the center for the pump rod to pass through, making the base an air tight chamber which forms a part of the air chamber. Handle bearer is a wrought steel tube forming the handle support and completing the air chamber. The upper cylinder is a seamless drawn brass tube enclosed in an iron shell. Set length is galvanized iron 4½ feet long.

PRICE LIST—FIG. 2299

Brass Lined or Brass Lower Cylinder

Pump No. Br. Lined Cyl.	Brass Cyl.	Cylinder Size, Inches	Pipe, Inches	Capacity per Hour, Gallons	Least Diam. Well Inches	Depth Well, up to Feet	Prices on Request
R70	R71	2½	1¼	306	4	150	
R72	R73	3	1¼	440	4½	75	
R74	R75	3½	1½	600	5	60	

For Wells Less Than 30 Feet in Depth
Will go in a 4-inch Cased Well

No. R56—Has a 3-inch brass lined cylinder with glass valve seat, tapped for 1¼" suction pipe. Price on request.

THE MYERS COG GEAR SINGLE ACTING FORCE AND LIFT PUMPS Price List—Fig. 1898

These pumps have four-foot galvanized set length, adjustable base and reversible spout, patented glass valve seat and poppet valve, and are equipped with the Myers patented easy operating rolling motion cog gear head which reduces the power required to pump 33⅓%. Pump rod is held by set screw permitting easy adjustment of rod and plunger. Have malleable iron shield over gears, are anti-freezing and are fitted with brass, brass lined or polished cylinders as indicated in lists.

Fig. 1898

PRICE LIST—FIG. 1898—SINGLE ACTING FORCE PUMP WITH BRASS LINED CYLINDER

Pump No. Force	Code	List	Cylinder Size Inches	Valve Seat	Pipe, Inches	Gallons Per Hour	Pump No. Lift	Code	List
R1070.....	Dobop	Prices	2½	Glass	1¼	306	R1050.....	Doans	Prices
R1072.....	Dobud	on	3	Glass	1¼	440	R1052.....	Doapo	on
R1074.....	Docar	Request	3½	Glass	1½	600	R1054.....	Doark	Request
WITH BRASS BODY CYLINDER									
R1071.....	Dodbo	Prices on	2½	Glass	1¼	306	R1051.....	Dobic	Prices on
R1073.....	Dodia	Request	3	Glass	1¼	440	R1053.....	Dobky	Request

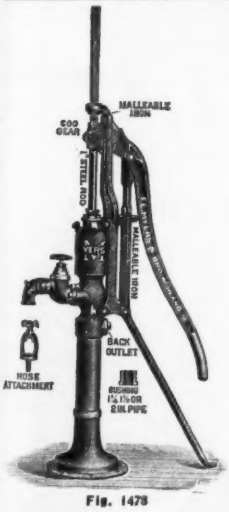


Fig. 1478

THE MYERS DEFIANCE COG GEAR PUMP STANDARD, FIG. 1478

A straight line pump standard for tubular or other wells. Has malleable iron head, cog gear and long fulcrum and is adapted for severe service in shallow or deep wells. Defiance Cog Gear Stands have 10-inch stroke for windmill and 7-inch stroke for hand operation. They are tapped for 2-inch pipe and bushed for 1½ and 1¼-inch pipe. Operation by hand, windmill, pumping jack or other power. Steel rod coupling ⅝x⅜ Rod x⅜ Pipe, Regular.

PRICE LIST—FIG. 1478

For 1¼, 1½ and 2-inch Pipe

No. R94½—Force Stand, Cock Spout, Fig. 1478.....
No. R94—Force Stand, Plain Spout, Price (Edade).....
No. R93—Lift stand, similar to Fig. 1478. Price (Edafa).....

For 2½-inch Pipe

No. R92½—Force Stand, with Cock Spout, Fig. 1478.....
No. R92—Force Stand, with Plain Spout, Price (Edarb).....
For Brass Covered Rod on above Force Pumps, add to the list.....
If wanted with Malleable Handle, add.....
If wanted for use with 4-inch cylinder, specify Large Spout No. 2100.

Prices on Request

THE MYERS COG GEAR PUMP STANDARD—FIG. 1749

An extra well built stand especially adapted for deep service. Has one piece head and is fitted with cog gear handle. The stroke for windmill is 10 inch and for hand use 7 inch. It is tapped for 2-inch pipe and bushed for 1½ and 1¼-inch pipe. All force stands with windmill head are fitted with bolted spout and have back outlet.

Price List—Fig. 1749

No. R117—Force Stand with Cock Spout, Fig. 1749. Price (Eddus).....
No. R116—Force Stand with Plain Spout. Price (Edebe).....
No. R112—Lift Stand, similar to Fig. 1749. Price (Ededa).....
For Brass Covered Rod on above Force Pumps, add to list.....
If wanted for use with 4-inch Cylinder, specify Large Spout No. 2100.

Prices on Request

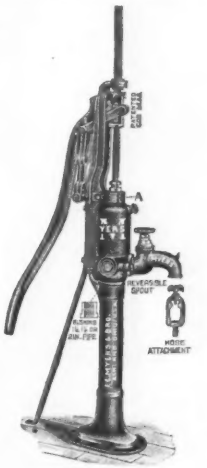


Fig. 1749

MYERS COG GEAR DOUBLE ACTING HOUSE FORCE PUMP—FIG. 1895

Has heavy seamless brass upper and lower cylinders, with patent glass valve seat, fibre rubber check valve and expansion plunger bucket. Other features include patented easy operating cog gear head with malleable iron shield over cog gears, reversible handle, interchangeable plain or cock spout. Finish, aluminum and gold.

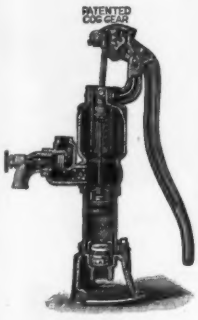


Fig. 1895

MYERS BRASS CYLINDER PITCHER PUMP—FIG. 1665

Has seamless drawn cylinder, glass seat, rubber fibre check and revolving top. It has easy operating cog gear head with malleable iron shield over gears and is finished in aluminum and gold. A strictly high class pitcher pump.

MYERS COG GEAR HOUSE LIFT PUMP—(NOT ILLUSTRATED)

Furnished with brass or polished cylinders with glass or iron seats. Has reversible cog gear handle, siphon spout, and is finished in aluminum and gold.

Fig. 1665

PRICE LIST—FIGS. 1895, 1665, AND COG GEAR HOUSE LIFT PUMP

Number	Fig. 1895 Cock Spout		Fig. 1665	Cog Gear House Lift Pump			Fig. 2443 Not Illustrated	
	R251	R253	R220	R245	R246½	R248½	R414	†R414CS
Brass Cyl.....	3 in. Br.	3½ in. Br.	3 in. Br.	3 in. Br.	.....	.....	3 in. Br.	3 in. Br.
Pol. Iron Cyl....	.....	.....	.....	.....	3 in. Pol.	3½ in. Pol.	.....	.....
Seat	Glass	Glass	Glass	Glass	Brass	Brass	Brass	Brass
Tapped.....	1¼ in.	1½ in.	1¼ in.	1¼ in.	1¼ in.	1½ in.	1¼ in.	1¼ in.

Price on request

THE F. E. MYERS & BRO. COMPANY, Ashland, Ohio

Branch Offices and Representatives

Albany, N. Y., Albany Terminal Warehouse Co., 1 Dean St.
Canton, Ohio, C. M. Parquette, 1453 14th St., N.W.
Cedar Rapids, Iowa, Cedar Rapids Transfer Co., Inc., Cor. A Ave. and 4th St.
East St. Louis, Ill., G. J. Light, 1615 No. 47th St.
Grand Rapids, Mich., I. F. Gordon, 425 Woodlawn St.
Harrisburg, Pa., H. H. Homan, c/o Montgomery & Co., 21 So. 10th St.
Indianapolis, Ind., D. D. Armstrong, 5124 E. Washington St.
Los Angeles, Cal., W. S. Walker, Commodore Hotel
Ludlow, Ky., M. A. Light, 217 Lake St.
Middletown, Conn., J. S. Bruce, 20 Lawn Ave.
Milwaukee, Wis., Atlas Storage Co., Virginia St.
Nashville, Tenn., A. P. Church, 400 Woodland St.
New York, N. Y., 21 West St.
St. Louis, Mo., McPheeters Warehouse Co., 1104 No. Levee St.
Morristown, N. J., R. J. Alspach, 5 Kennilworth Rd.
Benton Harbor, Mich., H. C. Bookwalter, 596 Pipestone St.
Sunbury, Pa., J. F. Simmons, 614 Race St.
Syracuse, N. Y., John R. Wright, 110 Kensington Rd.
Washington, D. C., C. B. Sattler, 806 Rittenhouse St., N. W.
West Springfield, Mass., C. B. Durfee, 381 Elm St.

EXPORT OFFICES: 21 WEST ST., NEW YORK, N. Y.

Fig. 649

Fig. 1521

Fig. 2714

Fig. 1726

Myers Bucket, Barrel and Power Spray Pumps, Compressed Air Sprayers, Power Spray Rigs, Du-All Sprayers, Nozzles and Accessories

A Style and Size for Every Spraying Service

Our experience gained through many years of successful pump manufacture has taught us how to design and produce thoroughly dependable spray pumps for all kinds of spraying activities. The Myers line includes all styles from the small knapsack and compressed air models, up through a large variety of bucket, barrel and tank sprayers, to the large capacity power sprayers and power spray rigs for field and orchard. Illustrations of several of the more important types appear on this page. Many others are fully illustrated and described in our complete catalog, a copy of which will be promptly mailed to any dealer who is interested.

Fig. 2715

Fig. 2732

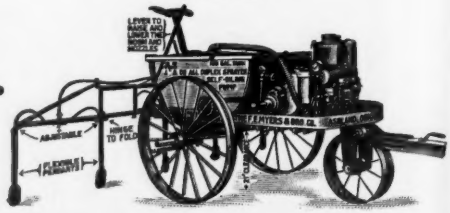
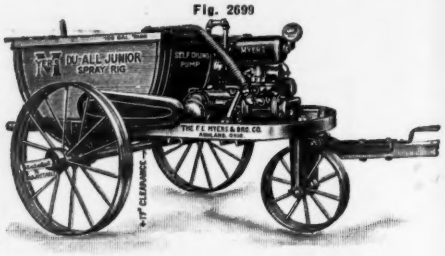


Fig. 2569

Fig. 2699



MYERS HAY UNLOADING TOOLS and DOOR HANGERS

Long recognized as standard implements for the unloading of hay, grain or fodder from the wagon into the mow or onto the stack, Myers Hay Unloading Tools — Unloaders, Forks, Slings, Pulleys, Tracks and Fixtures—have kept pace with modern unloading requirements. Designed for speed, light operation and large capacity, they are dependable, save time and labor, and are considered standard equipment wherever hay or grain of any kind are crops.

Myers Stayon and Tubular Door Hangers and Tracks for Barns, Garages, Storages and similar buildings have patented adjustable, flexible and stayon features, storm, dirt and bird-proof construction that afford year through, all weather service. The Myers Line offers a complete choice for types and sizes. Several of the more popular styles are illustrated below. Catalog on request.

Fig. 1652

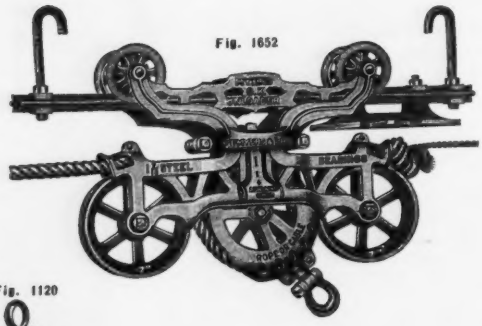


Fig. 1120

Fig. 1728

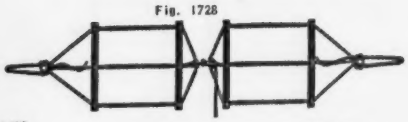


Fig. 1438

Fig. 00

Fig. 2156

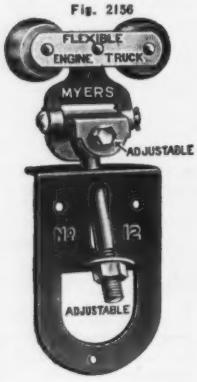


Fig. 998

Fig. 2058

Fig. 860

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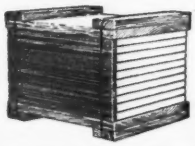
ABRASIVE PAPERS AND CLOTHS — GRINDING COMPOUNDS

CLOVER GREEN-STRIPE FLINT SANDPAPER
Unit 1 Ream
Standard 9" x 11" Sheets — Special 8¾" x 10½" Sheets
in grits No. 3/0 to No. 3



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SANDPAPER IN DISPLAY SHELF BOXES
Standard 9" x 11" Sheets — Special 8¾" x 10½" Sheets

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50-yard
ECONOMY ROLLS
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No. 7/0 to No. 2

50 yards

SAND-PAPER ROLLS
1 inch wide in grits
No. 2/0 and No. 1/0

50 yards

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METAL-CUTTING CLOTH
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36-10c. packs of 20 sheets each

CLOVER YELLOW-STRIPE ALUMINOUS OXIDE PAPER
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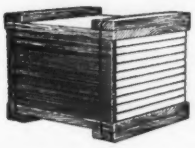
Open or Closed Coat
50 yards in widths 4" to 12"
in Grits No. ½ to No. 3½

CLOVER RED-STRIPE TURKISH EMERY CLOTH
Unit ½ Ream
Standard 9" x 11" sheets in grits
No. 3/0 to No. 3
Also packed in Display Shelf Boxes



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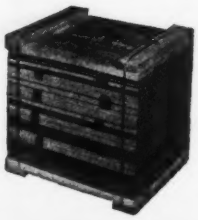
12-10c. packs, 6 sheets each, assorted grits



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Made in both Open and Closed Coat
Widths 4" to 24"
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CLOVER VALVE-GRINDING COMPOUND
4-oz. and 2-oz. Duplex Cans
Containing equal parts
Grades E for Roughing, A for Finishing
The compound in these cans is suitable for grinding valves, lapping cylinders, fitting piston rings, etc.

CLOVER LAPPING COMPOUNDS
For Shop, Tool Room and Garage
Put up One Grade to the Can
¼-lb., ½-lb., 1-lb., 5-lb. Cans
8 Grades
From Grade 2-A to Grade 50

CLOVER WATER-MIXED VALVE-GRINDING COMPOUND
One Grade to the Can
Two Grades
Medium and Coarse
2-oz., ¼-lb., 1-lb. Cans

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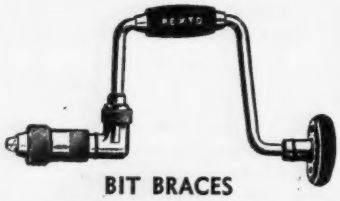
—Our Variety Brings You Profit For Concentration—



BIT BRACES

16 styles, including plain and ratchet types, plain and ball-bearing head and chuck, nickel plated and polished finishes; sizes 6" to 16" sweep. Bit Brace Originators.

EXPANSIVE BITS

Clark's Pattern, also the Micrometer Adjustment type. Forged Steel, Full Polished, graduated shanks; 2 sizes of each.

CHISELS

Forged Steel—24 styles, all sizes, including Socket Firmer, Butt, Cabinet, Framing, Corner, Turning, Gouges and Slicks.

DRAWING KNIVES

Forged Steel—7 styles, all practical sizes of each.

NAIL HAMMERS

Forged Steel—20 styles, including Plain and Bell Face Octagon, Ripping, Vanadium, in various finishes, polished, nickel plated, black; sizes 7 oz. to 28 oz.

BALL PEIN HAMMERS

Forged Steel — Polished, Black or Sanded finish—4 oz. to 48 oz. sizes. Also Garage, Riveting, Setting, Raising, Blacksmiths', Bricklayers', Trimmers', Magnetic, Tack and Shoe Hammers.

SIDE CUTTING PLIERS

Forged Steel — 9 styles, including Box and Lap Joint, Full Polished, Black and Insulated Handles. Sizes 5" to 8".

DIAGONAL CUTTING PLIERS

Forged Steel — 4 styles, Box and Lap Joint, Full Polished, Knurled Handles. Sizes 5" and 6".

MISCELLANEOUS PLIERS

Forged Steel — Full Polished, Knurled Handles. 10 styles including Flat. Round, Chain-, Straight-, Curved-, Narrow- and Needle-Nose, Duck Bill, Long Reach, Milliners', Weavers', End-Cutting, Nippers and Splicing Clamps.

SLIP JOINT PLIERS

Forged Steel; All Finishes; Plain and Knurled Handles. 14 styles including Thin and Bent-Nose, Side-Cutting, Wire-Cutter, Screw Driver End, Burner Jaw. All sizes.

SCREW DRIVERS

6 styles — all sizes, including the Solbar, Cabinet, Carpenters' and Machinists' Types.

HOUSEHOLD AND TINNERS' SNIPS

All Forged Steel. 15 styles; Straight, Circular, Combination, Trojan, Hawk's Bill and Double-Cutting Pattern. Also Bench Shears. Complete size and finish ranges.

WING-DIVIDERS

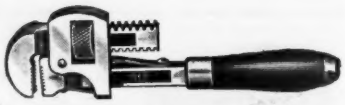
Forged Steel—2 styles, including Extension or Removable Leg type. Polished or Nickel Plated.

SQUARES

Standard Steel, Rafter and Take-Down in all the practical sizes and finishes.

COLD CHISELS

Forged Steel—Polished Blade and Head. Also the extra long type.



PIPE WRENCHES

Forged Steel, Full Polished Stillson Pattern. 6 to 18" Wood Handle—6 to 48" Steel Handle.

MONKEY WRENCHES

Forged Steel Bar and Head. Wood or Iron Handle. 6" to 21". Also Agricultural Type.

ADJUSTABLE ANGLE WRENCH

Forged Steel. Full Polished or Semi-Finish. 4 to 12".

PEXTO PRODUCTS

—Our Variety Brings You Profit For Concentration—

PRUNING SHEARS

Malleable Iron Handles with Tool Steel Blade and Solid Forged Steel types; also Cast Iron Handle style and the new "Anvil" type Shear.

GRASS SHEARS

Malleable Iron Handles and Polished Shear Steel Blades.

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Forged Steel. 2 styles; 2 sizes of each.

HOOKS

Bird Cage, Clothes Line, Coat & Hat, Costumer, Harness, Hammock, Porch Swing and School House.

CHAIN DOOR FASTENERS

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Awning, Ceiling, Clothes Line, Dumb Waiter, Encased, Hay Fork, Hot House, Screw, Side, Swivel, Upright, Wagon Brake.

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AUTO BODY & FENDER REPAIR TOOLS

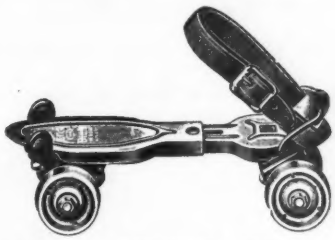
Perfected PEXTO

Correct ✓

Ding Hammers, Dolly Blocks, Spoons, Flange Tools, Scrapers

ROLLER SKATES

"Let's Go" Fastest



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Ball-Bearing — Completely Adjustable — Genuine Leather Straps — Attractive Finish

BLUE-ARO—The Finest, Nickel-Plated
RED-ARO—An Exceptional Value
GREEN-ARO—A Bargain Skate
WHITE-ARO—The Juvenile Style (In Plain or Ball Bearing)

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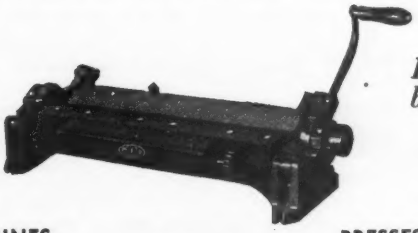
Universally Known



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PEXTO

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SQUARING SHEARS
STEEL DRUM EQUIPMENT

SPECIAL MACHINES

THE PECK, STOW & WILCOX CO. ESTABLISHED OVER A CENTURY! SOUTHINGTON, CONN.

ATKINS SILVER STEEL SAWS

ATKINS SILVER STEEL, SEGMENT GROUND CROSS CUT SAW No. 5

The No. 5 is designed for cutting yellow pine, hardwoods and resinous, knotty timber. Made of Atkins Exclusive SILVER STEEL, Segment Grinding, 14 x 20 x 17 gauge. Very hard, tough temper. Four cutting teeth and raker. Holds its edge. Cuts fast, free and easy. 6¼ to 8¼ inches wide at center, 3¼ inches wide at ends in 6-foot length.
Lengths .....Feet, 4, 4½, 5, 5½, 6, 6½, 7, 7½, 8

ATKINS SILVER STEEL, SEGMENT GROUND CROSS CUT SAW No. 4

The No. 4 is made with four cutting teeth and raker. SILVER STEEL, Segment Ground 14 x 16 x 20 gauge. Similar to No. 5, but one inch narrower, for cutting lighter timber. Used for cutting cottonwood, poplar, white pine and like woods.
Lengths .....Feet, 4, 4½, 5, 5½, 6, 6½, 7, 7½, 8

ATKINS SILVER STEEL, SEGMENT GROUND CROSS CUT SAW No. 540

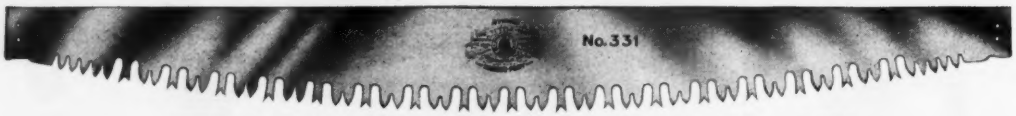
This is the finest two cutter and raker tooth Cross Cut Saw in the World. Will cut 25% more timber, with less refitting than any other similar type saw in oak, and other hardwoods. SILVER STEEL, Segment Ground 15 x 20 x 16 gauge. 6⅝ inches to 7 inches wide at center; 3⅛ inches wide at ends in 6-foot length.
Length .....Feet, 4, 4½, 5, 5½, 6, 6½, 7, 7½, 8

ATKINS NEW VICTOR ELECTRIC ALLOY CROSS CUT SAW No. 225

This Saw is made of extra high grade Electric Alloy Steel; uniform temper, tough, but not brittle. Polished and special taper ground 14 x 19 x 16 gauge. Cuts fast, free and easy with very little set. Wide, perforated teeth are strong for hard work. Four cutting teeth and raker to a section. Extra deep tooth and raker gullets eliminate clogging. 3⅛ inches wide at ends and 7 inches wide at center in 6-foot length. Filed, sharpened and set ready for use. Highly recommended for bucking and especially desirable for timber cutters and farmers.
Length .....Feet, 5½, 6

ATKINS NEW VICTOR ELECTRIC ALLOY CROSS CUT SAW No. 224

The new No. 224 is generally the same as the No. 225 except narrower. 3¼ inches wide at ends and 4¾ inches wide at center in the 5½ foot length. Ground 14 x 18 x 16 gauge. Filed sharp and set ready for use. Also made in two other widths, Nos. 226 and 228 in 5½ and 6 feet lengths.
Length .....Feet, 5½



ATKINS SPECIAL STEEL CROSS CUT SAWS Nos. 330, 331 and 332

These saws are made with the original Tuttle Tooth. The best known general utility saws in the world. Made of Atkins high grade special steel. (Made in SILVER STEEL if desired, at an additional cost). No. 330 is 14 x 16 gauge; No. 331 is 14 x 18 gauge; No. 332 is 14 x 19 gauge, all thin back.
Length .....Feet, 4, 4½, 5, 5½, 6, 6½, 7, 7½, 8

E. C. ATKINS AND COMPANY

"The Silver Steel Saw People." *Established 1857*

Makers of highest grade and leading types of all kinds of Saws, Saw Tools, Handles, Plastering Trowels, Scrapers and Specialties.

***Home Office and Factory*—INDIANAPOLIS, IND.**

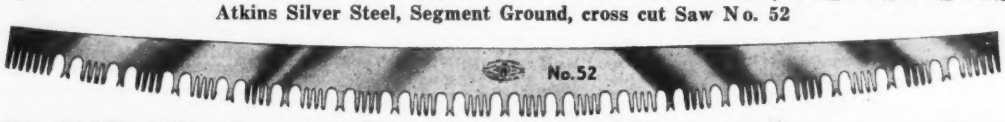
Branches in Principal Cities

ATKINS SILVER STEEL SAWS

Atkins Silver Steel, Segment Ground, cross cut Saw No. 51

This saw is Pacific Coast Pattern, full width, heavy blade, toothed to the end. The teeth and rakers are extra long with wide, roomy gullets for clearing the kerf of sawdust. They are particularly recommended for use in cutting fir, western pine and similar woods. SILVER STEEL, Segment Ground 13 x 15 x 17 gauge.
Length .....Feet, 5-5½-6-6½-7-7½-8-8½-9

Atkins Silver Steel, Segment Ground, cross cut Saw No. 52

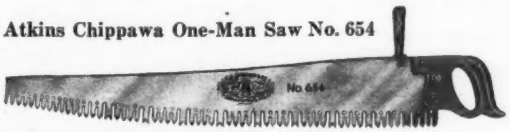


This SILVER STEEL Pacific Coast Pattern Saw is same as Atkins No. 51 except narrower and recommended for falling purposes in western timber. Extra long teeth and rakers, with large roomy gullets to the end of blade. Segment Ground 13 x 15 x 18 gauge.
Length .....Feet, 5-5½-6-6½-7-7½-8-8½-9

Atkins One-Man Tuttle Tooth Saw No. 390

Made of SILVER STEEL in Tuttle Tooth pattern. Finely finished. Taper ground to run free and easy. Hardwood handle polished on edge, easy grip pattern. Three screws, one a medallion.
Lengths ..... Feet, 2½-3-3½-4-4½-5-5½-6

Atkins Chippawa One-Man Saw No. 654



Made of Atkins SILVER STEEL. Tooth edge is of even thickness, but taper ground and with thin edge on back to prevent binding. The blade has four cutting teeth and raker. The handle is finely carved, varnished edges and of easy grip style Three screws, one a medallion.
Lengths ..... Feet, 2½-3-3½-4-4½-5-5½-6

Atkins Silver Steel Taper Ground One-Man Saw No. 389

Atkins high grade SILVER STEEL blade. Has Two cutting teeth and raker with deep gullets. Skew back taper ground. 15 x 19 x 17 gauge. Blade is 2⅞ inches wide at point; 7 inches wide at handle on 4-foot length. Other lengths in proportion. An easy grip handle, finely carved, varnished edges. Three nickel screws, one a medallion.
Lengths ..... Feet, 2-2½-3-3½-4-4½-5-5½-6

Atkins Cross Cut Saw Handle No. 8

No. 8 Regular Pattern is 10 inches long, irrespective of loops. Loop of extra strong high tensile strength grey iron, spot electric welded. Japanned black. Packed 10 pairs in a carton, weighing 19 pounds.

No. 8 Short Pattern

Same as above except 7½ inches long. Packed 10 pairs in a carton, weighing 12 pounds.

Atkins Cross Cut Saw Handle No. 11

No. 11 is 14 inches long. Climax Pattern. Reversible. Cast iron face plate and washer. Steel bolt with lock rivet feature, preventing rivet from becoming detached. Easily adjusted. Packed 10 pairs in a carton, weighing 16½ pounds.

Atkins Cross Cut Saw Handle No. 22

No. 22 is 14 inches long. Highly recommended. Extra strong. Easily adjusted. Extra heavy malleable castings. Machine made steel bolt, extra large Big Bolt Pattern. Extra large wings prevent castings from slipping. Japanned black. Packed 10 pairs in a carton, weighing 20 pounds.

Atkins Cross Cut Saw Handle No. 28

8 inches long irrespective of loops. Short and "stocky." Malleable bolt extends throughout handle and screws into malleable socket on end. Case hardened washer prevents saw from cutting into pressed steel ferrule. Capacity 2¾ to 4½ inches. Packed 10 pairs in a carton, weighing 16 pounds.

We also manufacture a full line of Cross Cut Saw Tools.

E. C. ATKINS AND COMPANY

"The Silver Steel Saw People." ***Established 1857***

Makers of highest grade and leading types of all kinds of Saws, Saw Tools, Handles, Plastering Trowels, Scrapers and Specialties.

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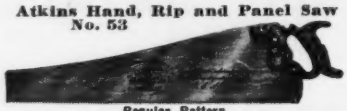
ATKINS SILVER STEEL SAWS

Atkins Hand, Rip and Panel Saw No. 401

Straight Back, Ship Point Pattern

The No. 401 is our best saw. Extraordinary in quality and material, workmanship and finish. Genuine SILVER STEEL. Perfectly tempered, straight back, four gauges, taper ground. Mirror polish. Improved Perfection Pattern (non-wrist strain). Rosewood Handle. Three nickel-plated screws and medallion. Made in regular and ship point pattern. For skew back saws of this quality order the No. 400. Packed in attractive individual boxes.
Ship Pattern Length.....inches - - - 26
Regular Pattern Length.....inches 20-22-24-26

Atkins Hand, Rip and Panel Saw No. 53



Regular Pattern

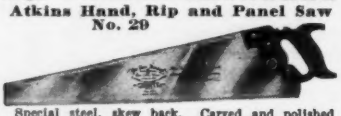
This saw appeals to high class mechanics for general carpenter work. Genuine SILVER STEEL blade, taper ground, with Atkins Exclusive Damaskeen Finish. Skew back and fitted with embossed applewood handle of the Atkins Improved Perfection Pattern, which prevents wrist strain. Three nickeled screws and medallion. Made regular and ship point patterns. For straight back saws of this quality order the No. 65.
Regular Pattern Length.inches 16-18-20-22-24-26-28
Ship Pattern Length..inches - - - - - - 26

Sheffield Hand Saw No. 59

Skew Back, Ship Point Pattern

A popular moderate priced saw of cast steel, fully warranted, skew back, ship point with ribboned edge. New style air-dried beech handle, extra fine lacquer finished and polished. Three nickeled screws and one medallion. Made in both regular and ship pattern.
Length .....inches 18-20-22-24-26

Atkins Hand, Rip and Panel Saw No. 29



Special steel, skew back. Carved and polished handle. 26-inch saws or longer have three screws and medallion. 24-inch saws or shorter have two screws and medallion.
Length .....inches 16-18-20-22-24-26

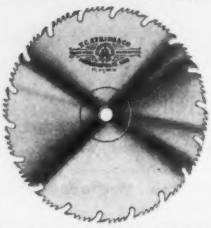
Atkins Home Builder Saw No. 9

A high-grade special steel 8-point hand saw; nicely polished and evenly tempered throughout. Skew back. Has a well seasoned beech handle not carved, with plenty of hand room. A good home and farm saw.
Length .....inches 24

Atkins New Hand Saw No. 150

Made of a Special Steel evenly tempered, nicely polished and etched. Taper Ground, skew back, filed and set. NEW STYLE Air-Dried Beech handle with large roomy grips, finished with weather-resisting lacquer. Two nickel screws and one medallion. 8-points only. Retails for $1.50. For the $1.00 retail saw order No. 101.
Length .....inches 26

Atkins Dual Ground Circular Saw



This "Smooth Cut" Circular Saw is made of "Silver Steel" accurately tensioned and tempered. Rips, crosscuts or mitres at 75 to 80 feet feed per minute at 3600 R.P.M., smooth enough for glue jointing. The fastest, smoothest cutting saws on the market. Made in diameters of 5 to 20 inches.

Atkins "Half and Half" 44 Tooth Saw

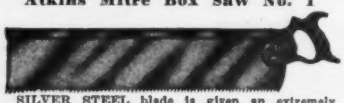
This all-purpose "Silver Steel" Circular Saw is for places with a large variety of work; a combination saw that will rip, crosscut or mitre equally well. Requires little power to operate due to scientific construction and perfect tooth shape. Made in diameters of 6 to 24 inches.

Write for details on full line of Dado Heads and Grooves.

Atkins Narrow Band Saws

Our Narrow Band Saws are made with the same care and precision as our Wide Bands. We use SILVER STEEL and in all respects they are of equal quality. Made any length, also brazed ready for use in ⅛" to 1¾" width with 3 to 8 points per inch.

Atkins Mitre Box Saw No. 1



SILVER STEEL blade is given an extremely hard and tough temper. Teeth take a sharp cutting edge and hold it. Tempered spring steel back keeps blade stiff and solid. Handle of polished applewood. Made 4-5-6 inches wide under back.
Length .....inches 18-20-22-24-26-28-30-32

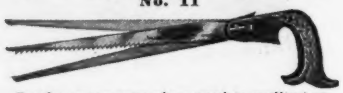
Atkins Back Saw No. 2

Blade is SILVER STEEL, tempered so that the fine teeth will hold their keen cutting edges. Spring steel back keeps blade true. Comfortable applewood handle, finely finished.
Length .....inches 8-10-12-14-16-18

Atkins Nest of Saws No. 3

This Nest of Saws consists of a SILVER STEEL 14 inch compass; 12 inch keyhole and 16 inch metal cutting blades, all interchangeable. The nail cutting blade is tempered hard for cutting nails, piping or any metal construction. Equipped with an adjustable handle of the latest improved pattern. No kit is complete without this nest. Packed one-quarter dozen in a box, attractively labeled.

Atkins Adjustable Compass Saw No. 11



Popular among users who appreciate quality tools. SILVER STEEL blade fitted with Beech handle, carved and full lacquered. Adjustable to three cutting positions. Fastened with wing nut and nickel screw. Packed one-half dozen in box.

Atkins Hack Saw No. 10

Hard rubber handle, easy grip pattern, hung low directing force of stroke cutting edge of blade. This increases the cutting power, gives operator better control. Frame is of cold rolled steel, 3/16-inch thick and ⅝-inch wide. Nickeled and highly polished. Peg on under side of frame fits into a series of holes in upper or outside frame. Depth under back to cutting edge of blade, 3 inches. Packed one in a box with blade.
Adjustable to .....inches 8-9-10-11-12

Atkins Hack Saw Frame No. 11

This frame is made of extra high grade steel, ⅝ inch wide and 5/32-inch thick. Light, strong and stiff. Nickel plated and highly polished. The handle is made of hard fibre with comfortable open grip constructed for fast accurate cutting. Packed one in a box with 8-inch blade.
Adjustable to.....inches 8-9-10-11-12

Atkins Hack Saw No. 9

Made of high grade steel; heavily nickeled, highly polished. Fine enameled handle. Blade can be used in four different positions. Packed one in a box without blade unless otherwise specified.
Adjustable to.....inches 8-9-10-11-12

Atkins Extension Hack Saw No. 7

No. 7 is a strong, rigid extension frame. Handle turns to adjust tension. Can be set to four different angles. Nickel plated. Depth 3-inches; width 11/16-inch; thickness 3/16-inch. Has selected hardwood handle, finely finished, mahogany colored. Packed one in a box with blade.
Adjustable to.....inches 8-9-10-11-12

Atkins Silver Steel Hand Hack Saw Blades

ATKINS SILVER STEEL

Made of high-grade SILVER STEEL. Wonderful cutting qualities. Atkins SILVER STEEL Hand Hack Saw Blades, if used in a first-class frame, are guaranteed to cut *at least six times* as long as any alloy steel blade of the same dimensions for cutting any specified material, and cut twice as fast. More economical. They will increase production, lower cost and save money. Made 14, 18, 24 and 32 teeth in 10 and 12 inch lengths.

We also manufacture a full line of Non-Breakable and All-Hard Hacksaw Blades in all standard sizes and number of teeth.

E. C. ATKINS AND COMPANY

"The Silver Steel Saw People." ***Established 1857***

Makers of highest grade and leading types of all kinds of Saws, Saw Tools, Handles, Plastering Trowels, Scrapers and Specialties.

***Home Office and Factory*—INDIANAPOLIS, IND.**

Branches in Principal Cities

ATKINS SILVER STEEL SAWS

Atkins New Pruning Shear No. 100

Durable and compact, but large enough for small limbs without cramp or strain. Extensively used in citrus groves, vineyards, hedges, etc.

The high-grade alloy steel blade is taper ground to a keen knife edge with a "Draw-In" or "Shear Cut" movement, capacity 1¼-inches. Strongly reinforced. Needs very little re-sharpening. The Duro aluminum blade anvil protects the knife edge and is easily replaced when worn; yet seldom necessary.

Broad knurled grip handle and finger grip. Free from handle stops that pinch and blister the hand. Highly nickeled, thus rust resisting.

Has a spring steel handle lock that folds into back of handle when shear is in use.

Length .....8 inches
Weight .....10 ounces, net

Atkins New Pruning Saw No. 40

Made of Atkins high-grade Special Saw Steel. Tuttle Tooth Pattern. The teeth are extra sharp and hold their cutting edge longer due to the extra tough temper. New Style Air-Dried Beech Handle, Davey Pattern. Extra large roomy grip for wearing gloves, reinforced with heavy dowel pin making it rigid and will stand hard service. Three brass screws and one medallion.

For similar saws with 7 and 10 point hand saw teeth order No. 4.

Length .....inches 20-24

Atkins Pruning Saw No. 11

Frame is made of high-grade crucible steel, ⅝-inch wide; 3/16-inch thick. 8-point blued. Blade may be used at any angle. The handle is easy grip pattern, varnished edge, and fastened to the frame with three brass screws.

Length .....inches, 16-18-20-22

Atkins Pruning Saw No. 18

Made of SILVER STEEL, highly polished. Peg teeth with needle point pitched back so as to be right angle at cutting edge. Fleam filed. Blade folds into plain sanded Beech Handle when not in use. Nickel screw. 8 points to the inch.

Packed one-half dozen in a box.

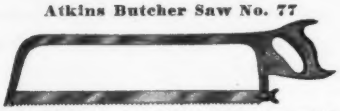
Length .....inches 12-14

Atkins Pruning Saw No. 12

Made of SILVER STEEL, hard stiff temper. Concave edge, toothed 6-point, opposite edge 8-points. Tapers from 2½ inches at handle to 1-inch at point. Thoroughly seasoned hardwood, varnished edge handle securely fastened by three saw screws.

Length .....inches, 12-14-16-18-20-22

Atkins Butcher Saw No. 77



The frame has a flat back, square edge, and is made of fine spring steel, ⅝-inch wide; ¼-inch thick. Atkins Special Steel Blade. ⅝-inch wide. Finished either bright or blue, as specified. Beech handle with sanded sides and varnished edges. Fastened to frame with three nickeled screws.

Packed one-third dozen in a box.

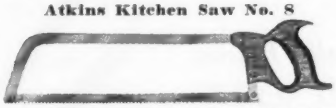
Length .....inches, 14-16-18-20-22-24-26-28

Atkins Butcher Saw No. 16

Blade may be instantly removed by turning thumb screw. A most convenient adjustment. Frame 1-inch by ¼-inch. Made of Spring Steel, very rigid. Hardwood handle, not varnished. Fastened to frame by three nickeled screws. ⅝-inch pinned blades of SILVER STEEL, 11 points to the inch. Nicely finished throughout.

Length ....inches, 14-16-18-20-22-24-26-28-30

Atkins Kitchen Saw No. 8



The blade is made of special steel, bright finish, ⅝-inch wide. Flat back, ⅝ x 3/16-inch. Beech handle attached to frame with three blued wood screws.

Length .....inches, 12-14-16

Atkins AAA Grass Hook

The entire SILVER STEEL cutting edge is constantly in use. Corners and out-of-the-way spots easily reached. Hardwood easy grip handle fastened to blade by malleable casting and strong rivets. Being offset saves knuckles from coming in contact with the ground. Made either right or left handed.

Atkins Cabinet Scraper Blades

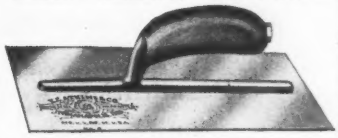
No. 0 SILVER STEEL Cabinet Scraper Blades made in 18, 19 or 20 gauge with finished edges. Packed in individual classine sacks. No. 1 Special Steel sheared edges made 20 gauge only. No. 2 Common quality sheared edges made 19 gauge only. Made in standard sizes 2 x 4 to 5 x 6 inches. We also manufacture spoke shaves, floor, bench, butcher block and wall scrapers.

Atkins "Silver Steel" Files

Atkins makes a "Silver Steel" File for every filing requirement,—in round, square, half-round and flat styles.

They are made in the following classifications: Rough, Coarse, Bastard, Second-Cut, Smooth and Dead Smooth, in all the standard sizes, Blunt and Tapered, in Regular, Slim and Extra Slim patterns. Atkins Files are given thorough heat treatment for toughness and long wearing qualities.

Atkins Plastering Trowel No. 3

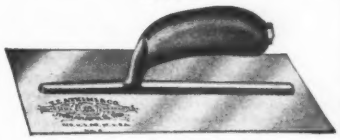


Blade is made of 24-gauge SILVER STEEL. Curved easy grip, sanded handle, natural finish. Malleable iron mountings, securely fastened to blade by 10 rivets.

No. 4 is same except slightly straighter handle. Packed one-half dozen in a box.

Lengths .....inches, 10 to 16
Widths .....inches, 4½ to 6

Atkins Feather-Weight Trowel No. 15

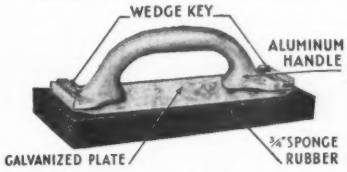


This is an exceptionally light weight trowel for plastering. Extra high-grade aluminum mounting makes the trowel extremely light yet stronger than the heavier trowels. The SILVER STEEL blade holds a true edge, wears well, is finely tempered, well balanced and beautifully polished. Ground 23 x 25 gauge.

No. 16 is identical except slightly straighter handle.

Lengths .....inches, 10 to 11½
Widths .....inches, 4 to 4¾

Atkins No. 1 Morfloat Trowel



This is the latest in sand finish plastering tool. Aluminum handle gives a minimum weight and maximum strength. Correctly formed and balanced to prevent cramping of the hand and wrist. Wedge keys fasten handle securely to galvanized plate securing base which is instantly replaceable at nominal cost. Sponge rubber base gives the right density and porosity for sand finish. Will outlast 25 to 1 of any other material now being used.

One size only—8¼-inches long; 3¾-inches wide; ⅝-inches thick.

Atkins Cement Finishing Trowel No. 14

23 x 25 gauge, SILVER STEEL polished blade, leaves extra smooth surface. Mounting fastened by 12 steel rivets. Natural sanded handle secured by hexagon nut.

Lengths .....inches, 14 and 16
Widths .....inches, 4 to 5

E. C. ATKINS AND COMPANY

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Makers of highest grade and leading types of all kinds of Saws, Saw Tools, Handles, Plastering Trowels, Scrapers and Specialties.

***Home Office and Factory*—INDIANAPOLIS, IND.**

Branches in Principal Cities

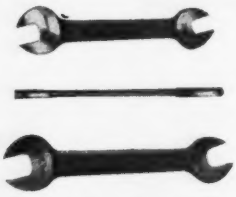
The VLCHEK TOOL CO.

3006 East 87th St., CLEVELAND, OHIO

HAND TOOLS

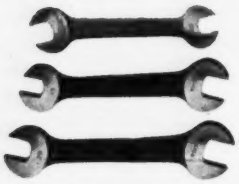
The Vlchek line of hand tools is especially designed for retailers to meet the demands of both price and quality buyers. Every item in the line has been market-tested and proved a popular seller. The retailer gets the advantages of a complete line combined with low inventory. Investment is reduced and turnovers increased. Vlchek tools are made by modern, advanced processes and the manufacturing efficiencies are reflected in exceptional values.

Parathin and Paralloy *High Quality* WRENCHES



New Parathin wrenches are the finest Vlchek ever produced. Full sized with deep milled openings, thin heads—original Vlchek parabolic design. Drop forged of Chrome Mo-lyb-den-um Steel. Hardened and tempered by Vlchek's perfected processes—extra strong and extra tough. Plated and highly polished.

New Paralloy wrenches forged from Chrome Mo-lyb-den-um Steel. Thin parabolic heads. Carefully hardened and heat treated, finished in nickel plate with satin smooth bar. A remarkable value.



Popular Priced WRENCHES Alloy and High Carbon Steel

Vlchek Alloy wrenches combine practical quality with precise uniformity and superior finish. Drop forged of tough special alloy steel, hardened and tempered. Parabolic type head guaranteed not to spread or break. Vlchek's Carbon Steel—standard type of advanced parabolic design. Drop forged, hardened and tempered. Accurately milled jaws. Semi-finished. Popularly priced.

Super Alloy
Chrome Nickel Steel.
Translucent shock-proof handles.

Alloy
Hardness and Great Toughness.

Gladiator
Hammer Head Pattern

Euclid
Short Ferrule—Large Grip.

Buckeye
Popular Price.

Insulgrip
Shock-proof Friction Grip.

High Quality DRIVERS

Blades of finest grade Chrome Nickel Steel scientifically heat treated and tempered to secure great toughness. Perfectly balanced and beautifully finished. High grade tools with practical utility and unique sales appeal for your customers.

Popular Priced DRIVERS

Buyers want *value*—you want *profit*. That's why you will want to sell Vlchek's Euclid, Buckeye and Insulgrip screw drivers — three popular priced items you can be sure will add to your store reputation for high quality tools at a low price.

CHISELS Full Range, Sizes, Prices

Vlchek Cold Chisel

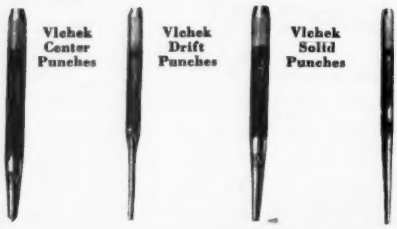
Vlchek Cape Chisel

A complete range of types, sizes and finishes at prices that make it profitable to meet and beat competition. Available in Chrome Vanadium Tool Steel or High Carbon Steel. And Vlchek's chisels are tough! You can drift a ½" Vlchek Cold Chisel through a ⅜" cold boiler plate without dulling the cutting edge!

Vlchek Diamond Point Chisels

Vlchek Half Round Nose Chisels

All Vlchek Vanadium Chisels are given three distinct, separate heat-treating processes to produce a keen edge that holds its cutting power, body tough enough to resist the repeated shocks of long service; toughened head to resist chipping or mushrooming.

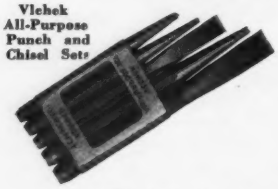


Vlchek Center Punches
Vlchek Drift Punches
Vlchek Solid Punches
Vlchek Long Taper

PUNCHES for Every Use

Everything your trade demands in low prices and high quality—you'll find in Vlchek Punches. Forged by the advanced Vlchek process. Chrome Vanadium or High Carbon Tool Steel—heat treated to stand up to severe service. Tapered to just the right balance.

Vlchek All-Purpose Punch and Chisel Sets



The five most popular chisels and punches in a handy metal container. Feature this item for steady sales, growing profits.

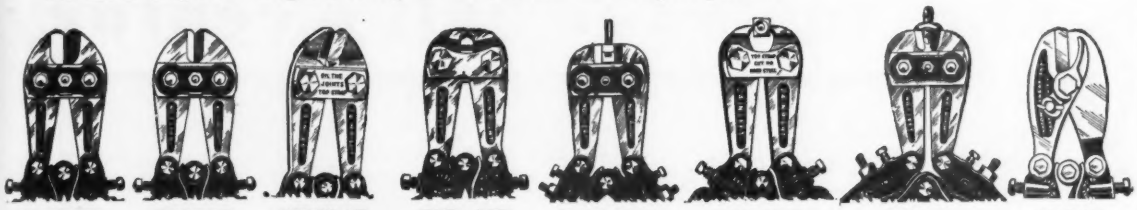
Vlchek Fitz-All Wrench Set

The original wrench set and still the leading seller. 6 different sized wrenches—12 openings. Handy container.

Each Line Market Tested to Include Profitable Items Only

PORTER HKP BOLT CLIPPERS WIRE CUTTERS HKP NUT SPLITTERS CHAIN CUTTERS HKP SHEAR CUTTERS SPECIAL CUTTERS

The illustrations below show the generally used cutting heads in standard models of the Porter line. Each type of tool is made in a number of sizes and capacities as listed under the several headings. These pages are not a complete catalog but convey as much information as space permits.



CLIPPER CUT | CENTER CUT | ANGULAR CUTTER | END CUT | SIDE NUT SPLITTER | END NUT SPLITTER | CHAIN CUTTER | SHEAR CUTTER

CLIPPER CUT—CENTER CUT BOLT CLIPPERS

Porter Bolt Clippers are made in several models varying slightly in methods of adjustment and other details but all are built on the same fundamental principles and in use are the same. These several models are designated by model names such as OK, New Easy, etc. The condensed table below gives principal sizes, capacities, list prices, etc. All cutters in this table have the jaws in line with the handles and in use the tool is at right angle to the work.

	No. 10-OK	No. 14-OK	No. 0-NE	No. 1-NE	No. 2-NE	No. 3-NE	No. 4-AR
List Clipper Cut	$2.75	$3.00	$4.00	$5.00	$7.00	$9.00	$12.00
List Center Cut	2.75	3.00	4.00	5.00	7.00	9.00	14.00
Approx. Length of Tool	10"	14"	18"	24"	30"	36"	42"
Capacity —annealed bolts in thread	3/16"	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"
Capacity—soft rods	1/8"	5/16"	1/4"	5/16"	3/8"	1/2"	5/8"
Capacity—spring wire with special temper jaws only	.109"	.165"	.203"	.238"	.284"	.340"	.380"
Approx. Weight of Tool in lbs.	1½	2¼	3¼	5¼	8½	12½	17¾
JAWS FOR ABOVE:							
Clipper Cut.....pr.	1.45	1.65	2.00	2.45	3.50	4.45	5.35
Center Cut.....pr.	1.45	1.65	2.00	2.45	3.50	4.45	6.65

ANGULAR CUT—END CUT BOLT CLIPPERS

The "Hypowa" End cutting jaws are at right angles to the handles and they cut very close up. This type of jaw gives some additional cutting power. A popular tool when close trimming is desired and when bolt or rod extends from a large flat area where a side cutting tool cannot easily be operated. Approximately equal pull should be applied to each handle. Do not apply all pressure to one handle. The "Hypowa" Angular jaws are at a 30-degree angle to the handles so that when the jaw edges are in proper position the handles are in a convenient position. Especially adapted for cutting on flat surfaces such as walls, floors, ceilings, inside of tanks, under auto fenders, etc.

	END			ANGULAR (diagonal)		
	No. 14-E	No. 24-E	No. 36-E	No. 14-A	No. 24-A	No. 36-A
List	$3.75	$6.00	$11.00	$3.75	$6.00	$11.00
Approx. Length of Tool	14"	24"	36"	14"	24"	36"
Capacity—annealed bolts	1/4"	3/8"	5/8"	1/4"	3/8"	5/8"
Capacity—soft rods	5/16"	7/16"	1/2"	5/16"	7/16"	1/2"
Capacity — spring wire with special temper jaws only	.165"	.238"	.340"	.165"	.238"	.340"
App. Weight of Tools in lbs.	2¼	5½	13	2¼	5¾	13
Jaws for above.....pr.	2.35	3.40	5.20	2.35	3.40	5.20

PORTER HKP SPECIAL CUTTERS AND WIRE CUTTERS

Tools not illustrated or described include wire cutters, with extra wide jaw openings for heavy insulated wire. Tools with insulated rubber handles and with search hook for fire departments, etc. Certain adaptions of Porter tools are possible, and we invite correspondence regarding such requirements.

SIDE—END NUT SPLITTERS

Porter Nut Splitters save hours of time in all sorts of repair and dismantling work where nuts are rusted or peened on and cannot be turned with a wrench. Splits the nut in half so that it falls off and if the tool is properly used, the bolt will not be damaged. Made in two styles "End" with capacity up to nut of 5/8" bolt, and "Side" with capacity up to nut of 3/4" bolt. Easily adjusted for smaller sizes.

	SIDE						END		
	No. 14-SS	No. 0-SS	No. 1-SS	No. 2-SS	No. 3-SS	No. 4-SS	No. 14-N	No. 24-N	No 36-N
List	$4.25	$5.25	$6.25	$8.50	$10.50	$15.50	$4.25	$6.50	$11.50
Approx. Lgth	14"	18"	24"	30"	36"	42"	14"	24"	36"
Capacity—to split nut of bolt of dia.	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	1/4"	3/8"	5/8"
Approx. Wt.	2¼	3¼	5	8¼	12¼	17¼	2¼	5½	13
Jaws for above pr...	2.90	3.55	4.00	5.20	6.30	8.15	2.95	4.00	5.80

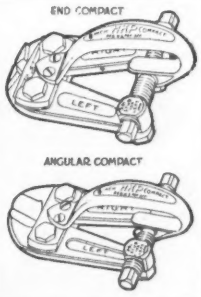
SHEAR CUTTERS

A shear cutting tool for flat bars, strip and wire cable. As portable and as easily operated as a bolt clipper. Makes a clean sheer cut without excessive compression or distortion of material and leaves no ragged or frayed edges. Excellent tool for airplane salvage and emergency work, also for steel strip mills, sheet metal fabricating plants, flat steel bar mills, shipbuilders, steel warehouses, wire rope manufacturers and dealers, and for construction, wreckage and salvage work in many lines.

List and Capacities of Shear Cutter Tools

	14-T	24-T	36-T
List	$ 6.50	$ 8.75	$13.00
Approx. Length	14"	24"	36"
To Cut Soft Wire Rope and Cable	5/16"	7/16"	5/8"
To cut Hard Wire Rope and Stranded Guy Wire	3/8"	5/16"	1/2"
To cut Solid Soft Rods and Wires	3/16"	5/32"	1/4"
To cut Soft Bars	1/8"x1/2"	1¼"x1/2"	1½"x1/2"
Jaws for above	3.50	4.50	6.75

The New COMPACT



Measures 7¾ inches in length. Operates with ratchet wrench. Has same cutting capacity as 24" Bolt Clipper—3/8" bolt in thread. Made with either End or Angular type of jaws. Recommended where limited space prevents use of regular Porter Bolt Clipper.

Easily carried in tool kit, gets into difficult places, cuts bolts or rods, splits nuts (end type only) and wedges nuts off bolt. Practical, powerful, and compact.

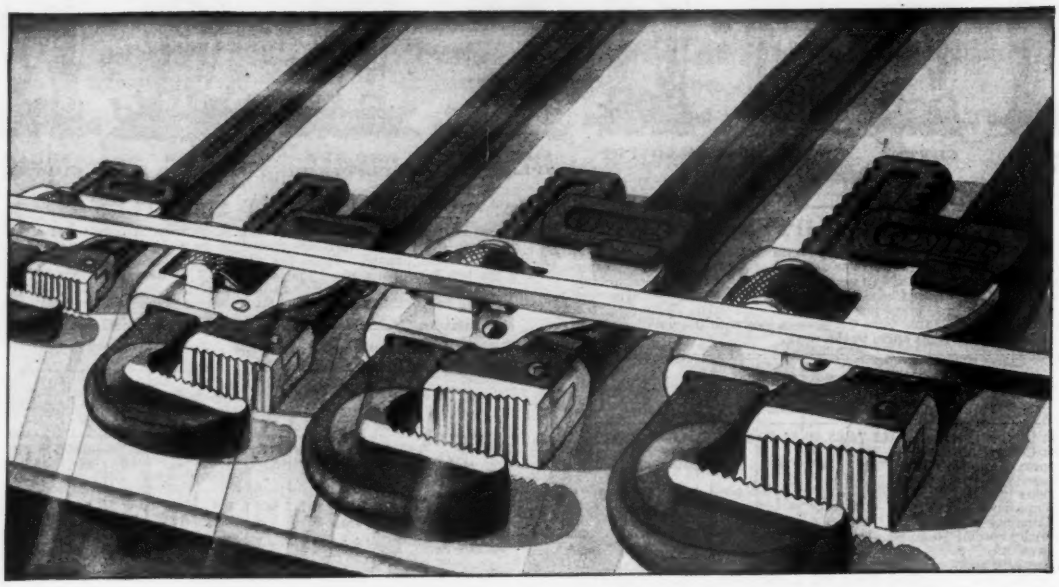
List—Either Tool—$6.50

FOR SALE BY HARDWARE JOBBERS GENERALLY

MAKERS OF FINE CUTTING TOOLS FOR MORE THAN FIFTY YEARS

H. K. PORTER, Inc. *Portable Cutting Tools* **EVERETT, MASS., U.S.A.**

TRIMO—the leading name in pipe tools for half a century

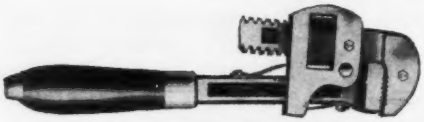


Newly improved and mightier than before

THE ALL-STEEL TRIMO PIPE WRENCH

Made with steel handle 6", 8", 10", 12", 14", 18", 24", 36", 48".
With wood handle 6", 8", 10", 14".

SANDO Stillson Wrench
Sizes 6" to 48"

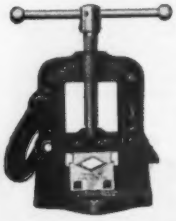


MOROCO Popular Stillson
Sizes 6" to 24"

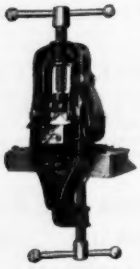
TRIMO Heavy Duty Monkey Wrench
Sizes 6" to 21" (Wood handle sizes 6" to 15")

New Tricrome Cutter Wheels
(the silver wheel with the red hub).
Knurled and plain edge to fit Trimo, Barnes, Saunders and Crown type

TRIMO Saunders Type Pipe Cutter
Sizes No. 1, No. 2, No. 3, "the cutter with a spring"



TRIMO Pipe Vise
Standard and Portable types



Products of TRIMONT MFG. CO., Roxbury (Boston), Mass.

CRESCENT *and Smith & Hemenway* TOOLS

Special steel, together with accurate machining, latest methods of hardening, tempering and heat treating, as well as good design and attractive finish, make this line a profitable one to handle.

WRENCHES

CRESTOLOY STEEL. Made in single end style. 4 to 12 inch, retail 80c. to $2.00. Double end, 4-6 and 6-8 inch—$1.40 and $1.60. Chromium Plated.

CRESCENT. Made in single end—sizes 4 to 18 inch—retail 65c. to $3.25. Double end—4-6 to 10-12 inch. Retail prices $1.10 to $2.00.

PLIERS

CeeTeeCo. Machine finished nickel plate, sizes 5 to 10 inch, 20c. to 65c.

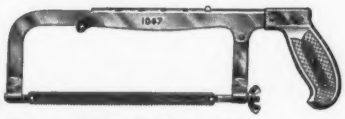
MoToR KiT. Hand finished nickel plate sizes 5 to 10 inch, 40c. to 85.

THIN STRAIGHT NOSE. Hand buffed nickel plate. 5 to 10 inch, 40c. to $1.00.

THIN BENT NOSE. Hand buffed nickel plate. 6 inch size, retail 60c.

UNIVERSAL. Heavy duty plier. Hand buffed nickel plate. 7 inch, 60c.

HACK SAWS



Heavy steel. Rigidly built.

1040—8 to 12 inch. Straight wood handles. Retail 60c. to 75c.

1042 Adjustable. Straight wood handle. Retail price 75c.

1044—10". All steel. Retail $1.75.

1045—Adj. All steel. Retail $2.00.

1046—Adj. All steel. Retail $1.00.

1047—Adj. All steel. Retail $1.25.

1048—Adj. Compo. Handle. $1.00

1049—Adj. Compo. Handle. $1.25.

SNIPS

CRESCENT. Regular "S" Style. Sizes 7 to 14 inch. Retail 75c. to $1.75. Blue handles, polished blades.

CRESCENT. Circular, "T" Style. 7 and 12 inch—$1.00 and $1.50.

SCREWDRIVERS

Made in 5 different styles, each in a complete range of sizes for all classes of work. Blades hardened full length. Handles cannot turn. Retail prices from 25c. to $1.00.

LINEMEN'S PLIERS

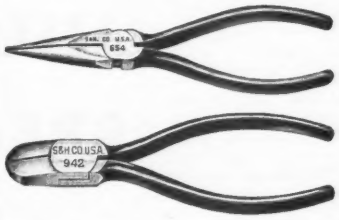
Keen edges. Strong and long lived.
No. 50 in sizes 4 to 8 inch. 80c. to $1.50
No. 1650, sizes 6 to 9 inch. $2.50 to $4.00.
No. 1950, sizes 6 to 9 inch. $1.50 to $2.75.
Several sizes can be had with live rubber insulation. $2.25 to $3.75.

GUARANTEE

Each Crescent and Smith & Hemenway Tool is guaranteed to be satisfactory in every respect.

We authorize all dealers to replace or refund the money on any Crescent or Smith & Hemenway Tool that does not give satisfaction, the customer to be the judge.

SPECIAL PLIERS



The 654 Long Nose, Side Cutting plier and the 942 Diagonal Cutting plier shown above are only part of a large assortment of pliers for all purposes. Priced from 60c. to $1.75. Complete range of sizes in all styles. There are diagonals, long nose, curved nose, square nose, chain nose, flat nose, duck bill, slip joints, cutters, nippers, styles for all purposes.

PUNCHES; CHISELS

Shown above is a cold chisel. We also make cape chisels, diamond point, round nose, half round and all-steel wood chisels in a complete range of sizes. Prices 20c. to $1.10. Punches are made in pin, solid, taper, center, prick and lining-up styles in complete size range. Prices 20c. to 75c.

NAIL PULLERS

Made in four different styles, some equipped with box chisel and strap cutter. Prices—$1.25 to $2.25.

THE CRESCENT and SMITH & HEMENWAY LINE also includes Star Drills, Auger Bits, Special tools for linemen and electricians and other items.

Catalog sent free upon request. Your jobber has the tools in stock.

CRESCENT TOOL CO.,

JAMESTOWN, N. Y., U. S. A.

MILLERS FALLS TOOLS SINCE 1868

GOODELL-PRATT 1500 GOOD TOOLS

BUY TOOLS WITH THESE TRADE MARKS

FROM THE GREATER MILLERS FALLS COMPANY

GREATER COMPLETENESS OF LINE

GREATER CAPACITY TO SERVE

Check List of Products
Made by the combined
Millers Falls Co.
and
Goodell-Pratt Co.

Study this list. It will show you how many classifications of tools can be purchased from a single reliable source of supply.

Aluminum Levels
Auger Bits
Automatic Drills
Automatic Screw Drivers
Automobile Jacks
Automotive Tools
Bearing Scrapers
Bench Drills
Bench Grinders
Bench Lathes
Bit Braces
Bit Brace Extensions
Bottle Cappers
Breast Drills
Butcher Saw Frames
Butcher Saw Coils
Calipers and Dividers
Carpenters' Tools
Carving Tools
Chain Drills
Chucks
Cold Chisels and Punches
Combination Squares
Coping Saws
Coping Saw Blades
Countersinks
Electric Tools
Expansive Bits
Feeler Gauges
Glass Cutters
Grinders
Hack Saw Blades
Hack Saw Frames
Hand Drills
High Speed Hack Saws
Hole Saws
Ice Picks
Iron Levels
Jacks
Machinists' Tools
Micrometers
Mitre Boxes
Nail Sets and Punches
Plain Screw Drivers
Planes
Polishing Heads
Punches
Ratchet Screw Drivers
Saw Sets
Scrapers
Screw Drivers
Spiral Screw Drivers
Steel Rules
Tap Holders
Thickness Gauges
Valve Grinders
Vises
Washer Cutters
Wood Levels
Wood Scrapers

JUST TWO TOOLS FROM THE COMBINED LINES

MILLERS FALLS COMPANY
Greenfield, Mass.

MILLERS FALLS AND GOODELL-PRATT TOOLS

LUFKIN MEASURING TAPES, RULES and PRECISION TOOLS

Listed below are a selected but limited number of our representative hardware items. Our goods are very generally stocked by jobbing hardware and supply houses. Our very complete lines of Rules and Measuring Tapes are covered by Catalog No. 11; Precision Tools by Catalog No. 6. Either is gladly sent on request to any interested dealer.

THE LUFKIN RULE CO. SAGINAW, MICH., U. S. A.
106 Lafayette St., New York

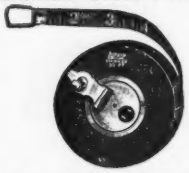
"CHALLENGE" STEEL TAPES

The popular high grade steel tape. ⅝ inch wide line with "Instantaneous" Readings and "Nubian" Finish. Case of genuine leather, metal lined. Folding flush handle opened by push button.

Marked Feet, Inches and 8ths.

No.	260	263	265	266
Length, ft...	25	50	75	100
Price, ea....	$4.90	$6.00	$7.80	$10.20

"BANNER" STEEL TAPES



The best of medium priced steel tapes. Line ⅝ inch wide and has "Instantaneous" Readings and "Nubian" Finish. Case of mottled, black imitation leather, metal lined. Folding flush handle opened by push button.

Marked Feet, Inches and 8ths.

No.	550	553	555	556
Length, ft...	25	50	75	100
Price, ea....	$4.20	$5.25	$6.85	$8.75

"UNIVERSAL" STEEL TAPES

A popular priced yet accurate and serviceable steel tape. Line ⅝ inch wide and has "Instantaneous" Readings and "Nubian" Finish. Tan colored imitation leather case, metal lined and with 3/16 inch wide, flat, flush, nickel plated edge band. Folding flush handle opened by push button.

Marked Feet, Inches and 8ths.

No.	540	543	545	546
Length, ft...	25	50	75	100
Price, ea....	$2.60	$2.90	$4.00	$5.00

METALLIC TAPES

Widely used, highest grade woven tape. Line ⅝ inch wide, of linen with metallic warp, well coated. Case of genuine leather, metal lined. Folding handle.

Marked Feet and Inches.

No.	500	503	505	506
Length, ft...	25	50	75	100
Price, ea....	$3.10	$4.50	$5.60	$7.00

"CRESCENT" TAPE-RULE

Highest grade flexible-rigid Tape-Rule. ⅝ inch wide steel line or rule blade is stiffened by special forming. Unsupported it can be projected, like a rule, to walls, ceiling, etc. Will also flex around and accurately measure circles and odd shapes. Has dark background with markings in sharp contrast. The unique sliding end hook is ideal for hooking over objects to be measured, either within or out of arms reach. It automatically adjusts itself to also accurately take butt end measurements. Sturdy, chromium plated case, 2 inches in diameter. Rule blade is manually withdrawn, automatically and quickly returned by pressing push button, convenient and safe at all times.

Marked Inches to 16ths.

No. 696 72 Inch "Crescent" Tape-Rule.
Each $3.00

"WIZARD" TAPE-RULE

Popular priced, yet a practical and durable flexible-rigid Tape-Rule. ⅝ inch wide formed steel blade may be projected unsupported, like a rule, yet will also flex around and accurately measure circles and odd shapes. Clear and prominent markings. Zero falls at inside of solid hook. Durable nickel plated case, 2 inches in diameter. Blade is manually withdrawn and returned, is always under complete control, operates readily, and will remain set at any length withdrawn.

Marked Inches to 16ths.

No. 686 72 Inch "Wizard" Tape-Rule.
Each $1.00

ASS SKIN TAPES

The popular priced, long woven tape designed for ordinary work. ½ inch wide yellow cotton line, clearly marked. Metal case sides cream enameled. Brass folding handle and trimmings.

Marked Feet and Inches.

No.	710	713	715	716
Length, ft...	25	50	75	100
Price, doz...	$6.60	$9.00	$13.20	$16.20

"RED END" SPRING JOINT RULES

Solid Brass Trimmings

Strike Plates. Lock Joints.
Six-inch folds. ⅝ inch wide.

Concealed Joints

Highest grade of Spring Joint Wood Rules. Made of selected hardwood with solid brass trimmings, hence rust proof. Superior high gloss cream and white finishes. Ends gloss red. Strike plates prevent wear in opening and closing.

Marked Consecutive Inches to 16ths, Both Sides.

Cream Enameled

No. 054	4 ft.	Per doz.	$6.00
No. 055	5 ft.	Per doz.	7.20
No. 056	6 ft.	Per doz.	8.40

White Enameled

No. 064	4 ft.	Per doz.	$6.60
No. 065	5 ft.	Per doz.	7.80
No. 066	6 ft.	Per doz.	9.00

NOTE: "Red End" Rules are also offered with folding end hook at small extra cost. Specify as H-056, etc.

SPRING JOINT RULES

Brass Plated Trimmings.
Rivet Joints.
Six-inch folds. ⅝ inch wide.

This is our standard line of Spring Joint Rules. Of selected hardwood, with lock joints.

Marked Consecutive Inches to 16ths, Both Sides.

Yellow Enameled

No. 8524	4 ft.	Per doz.	$4.80
No. 8525	5 ft.	Per doz.	6.00
No. 8526	6 ft.	Per doz.	7.20

White Enameled

No. 8624	4 ft.	Per doz.	$5.40
No. 8625	5 ft.	Per doz.	6.60
No. 8626	6 ft.	Per doz.	7.80

NOTES: Rules same as above but with concealed joints are offered at same prices. Specify as 8514 and 8614 series.
Folding End Hook furnished on any of the above rules at small extra cost. Specify as H-8526, etc.

ALUMINUM RULES

Solid Brass Joints.
Six-inch folds. 9/16 inch wide.

These rules are of a special hardness, therefore durable and hold their shape well. They have spring joints of the rivet type and are rust-proof throughout. Clear-cut, sunken graduations and figures in black, most permanent and easy to read.

Marked Consecutive Inches to 16ths, Both Sides.

No. 1204	4 ft.	Per doz.	$16.80
No. 1205	5 ft.	Per doz.	21.00
No. 1206	6 ft.	Per doz.	25.20

NOTE: Folding End Hook furnished on any of the above Aluminum Rules at small extra cost. Specify as H-1206, etc.

BOXWOOD EXTENSION RULE

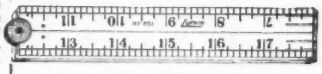
Six-inch Folds. ⅝ inch wide.

Very suitable for all general measuring work, and especially handy for taking inside measurements of openings, such as door and window frames. First section fitted with graduated brass slide, which is extended to take exact inside measurements. Rule sections are of extra weight, of genuine boxwood, in the natural finish, with distinct black markings. Brass plated spring joints of the rivet type, with lock. A superior rule throughout.

Rule Marked Consecutive Inches to 16ths, Both Sides.

Brass Slide Marked Inches to 16ths.
No. X-8536 6 ft. Per doz.....$16.00

BOXWOOD RULES



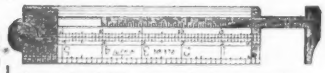
No. 651 (68) Boxwood Rule.
Per doz.....$3.00

2 Foot. 4 Fold. Unbound. One inch wide. Round Joint. Middle Plates. Marked: 8th and 16ths inch.

No. 781 (62) Boxwood Rule.
Per doz.....$11.40

2 Foot. 4 Fold. Full Bound. One inch wide. Square Joint.

Marked: 8ths, 10ths, 12ths and 16ths inch, and drafting scales. Both edges brass bound.



No. 372 (36½) Boxwood Caliper Rule.
Per doz. $10.20

One Foot. 2 Fold. Unbound. 1⅝ inch wide. Square Joint. 6-inch Caliper Slide.

Marked: Rule, 8ths, 10ths, 12ths and 16ths inch. Caliper: 16ths and 32nds inch.

PRECISION TOOLS

Lufkin offers the finest line of Precision Tools on the market, including among others such items as Micrometers, Calipers, Dividers, Combination Squares, Steel Scales, Depth, Thickness, Surface, Screw Pitch, Radius and Telescoping Gauges, etc. These Tools have many new and improved features and are popular both with mechanics and the trade. Send for complete Tool Catalog No. 6.

One-inch Micrometer Caliper

With Full Finished, Cut-Away Frame. With Lock Nut and Ratchet Stop.

For Measuring by Thousandths. Range: Zero to one inch.

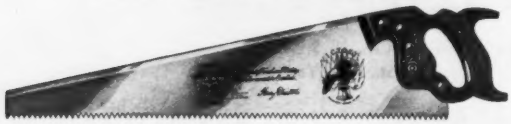
No. 1641 Micrometer. Each.....$10.00

HENRY DISSTON & SONS INCORPORATED

PHILADELPHIA, PA.

Makers of "The Saw Most Carpenters Use"—The World's Foremost Saw Makers

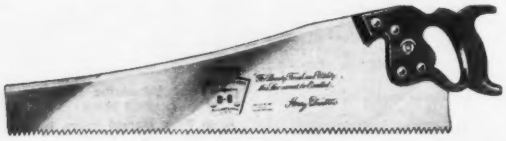
DISSTON HAND SAWS



Lightweight Pattern

Number	Back	Lengths	List Price 26"
D-15	Straight	24" 26"	$5.00
D-12	Straight	26"	4.25
D-23	Straight	24" 26"	3.50
D- 8	Skew	26"	3.25
D- 7	Straight	26"	2.75

All made in 7, 8, 9 and 10 point cross-cut and 5½ and 6 point rip.



Regular Pattern

Number	Back	Lengths	List Price 26"
D-115	Skew	26"	$5.00
D- 12	Straight	24" 26"	4.25
D- 8	Skew	20" 22" 24" 26"	3.25
D- 7	Straight	20" 22" 24" 26"	2.75
D- 17	Skew	26"	3.70

Points: D-17 is made with sections of 5 cross-cutting and 2 ripping teeth. D-8, D-7, D-12, 26" saws are made in 6, 7, 8, 9 and 10 pt.; D-115 in 7, 8, 9 and 10 pt. cross-cut. All 24" saws are made 7, 8, 9 and 10 pt. cross-cut. All 20" and 22" saws are made 8, 10 and 12 pt. cross-cut. Rip teeth are made only as follows: D-12, 26", 5½ and 6 pt.; D-8, 22", 7 pt.; 24", 6 and 7 pt.; 26", 5, 5½ and 6 pt.; D-7, 22", 7 pt.; 24", 6 and 7 pt.; 26", 5, 5½ and 6 pt.

No. 5 Disston-Keystone Hand Saws

Designed to meet the demand for good hand saws at low prices. Made of Disston Steel, with the Disston Temper. Skew back blade, striped, lightweight pattern, highly polished. Orange and black decalcomania on blade. Handle lacquered orange and black.

Length of Blade	Points In. Cross-Cut	Points In. Rip	List Price
16 inches	10	...	$1.00
20 inches	9	...	1.50
26 inches	8	5½	2.00

Disston-Keystone Hand Saws are sold both in straight packages of ½ dozens and also in the Disston-Keystone Saw Sales Pack, consisting of 2—16", 2—20" and 6—26" saws, with store display material free. Retail value, $17; your cost, $11.25.

Special Brand Hand Saws

Disston also makes various special brand hand saws. Among these is the No. 510 Quaker City.

Length of Blade	Points In. Cross-cut	Back	List Price
26 inches	8	Skew	$1.00

Disston makes hand saws for every purpose. See the new Disston Hardware Catalog for complete information.

DISSTON BACK SAWS

Disston No. 4 Back Saw, the highest quality made, has extra heavy bright steel back, which gives greater stiffness to Disston Steel blade and holds the teeth in the cut.

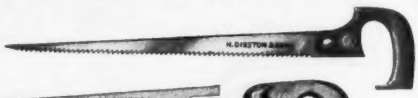
Length of Blade	Width Under Back	Points to Inch	List Price
8 inches	2¼ inches	16	$2.40
10 inches	2½ inches	15	2.55
12 inches	3 inches	14	2.85
14 inches	3½ inches	13	3.20
16 inches	3⅞ inches	12	3.60

Disston No. 4 Mitre Box Saws are made in all even-inch lengths from 18 to 26", 4" under back; 28" and 30", 5" under back, and 30", 6" under back.

No. 0 Back Saws, branded "Davis," are made 10", 12" and 14", to retail at $1.50, $1.65 and $1.80.

DISSTON COMPASS SAWS

Most popular numbers are shown here



No. 2

No. 4

No. 8

Disston makes all wanted styles of compass saws and blades. See our new catalog for illustrations and descriptions of all compass saws and blades.

No. 2		No. 4		No. 8	
Length Blade	List Price	Length Blade	List Price	Length Blade	List Price
10 inches	$ .90	10 inches	$ .85	12 inches	$ .95
12 inches	.95	12 inches	.90	14 inches	1.00
14 inches	1.00	14 inches	.95		
16 inches	1.05	16 inches	1.00		

No. 15 Keyhole Saw

Made in two blade lengths: 10", to retail at 55 cents, and 12", to retail at 60 cents. Many other styles shown in Disston Hardware Catalog.

DISSTON PRUNING SAWS

No. 166

No. 166 is the most popular saw of its type made. With 12" blade it retails for $1; with 14" blade, $1.10. Disston makes 9 different pruning saws of this general type, some with folding handles, to meet every need.

No. 7

No. 7 is one of twelve different styles of pruning saws of the hand saw type, both single edge and double edge, made by Disston. This style, with 16" blade, retails for $1.45; 18", $1.55; 20", $1.65.

No. 15

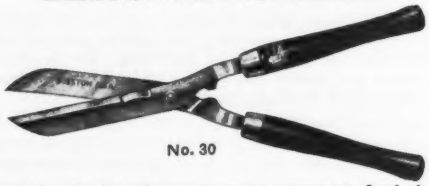
No. 15 is the most useful framed pruning saw manufactured. It is one of four types of framed saws made by Disston. It takes a 14" blade and retails for $2.15.

HENRY DISSTON & SONS INCORPORATED

PHILADELPHIA, PA.

Saws, Tools, Files, Knives, Steel, Trowels, Pruning Shears, Etc. — Founded 1840

DISSTON HEDGE SHEARS

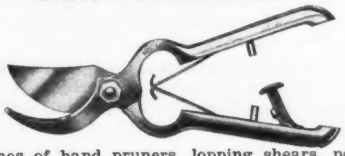


No. 30

Disston makes hedge shears to meet every need of the hardware merchant and the consumer; shears with hollow-ground or flat-ground blades, with one blade serrated, notched, or plain. The various sizes and grades range in retail price from $1.40 to $3.65.

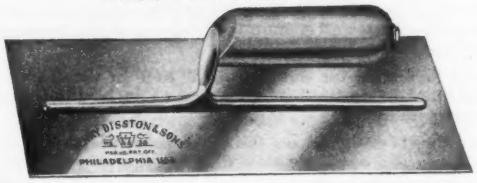
Disston Hand Pruners

No. 152



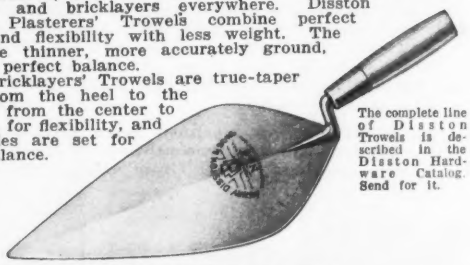
Complete lines of hand pruners, lopping shears, pole pruners, Simplicity Hedge Trimmers, grass shears, etc., are described in the Disston Hardware Catalog. Disston makes the only complete line of pruning tools.

DISSTON TROWELS



Disston Trowels, of Disston Steel, are standard with plasterers and bricklayers everywhere. Disston Flexolite Plasterers' Trowels combine perfect balance and flexibility with less weight. The blades are thinner, more accurately ground, and have perfect balance.

Disston Bricklayers' Trowels are true-taper ground from the heel to the point and from the center to the edges, for flexibility, and the handles are set for correct balance.



The complete line of Disston Trowels is described in the Disston Hardware Catalog. Send for it.

DISSTON HACK SAWS

Disston makes every type of Hack Saw Blades for hand and machine use—Chromol (All Hard); Duraflex (Flexible Edge); Double—Flex (Spring Temper); and High Speed steel. Steel makers as well as saw makers, Disston is able to control quality from the beginning, and produce blades that give longer, better service.

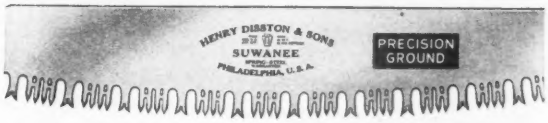
Disston also makes a complete line of Hack Saw Frames, fully described in the Disston Hardware Catalog.

DISSTON FILES

Disston makes files for every purpose — more than 250 kinds and more than 1000 cuts and sizes, some weighing a fraction of an ounce, others 135 pounds.

All these files are made of Disston Steel, the world's great cutting steel. Disston's own use of millions of files, in making Disston Saws, furnishes a constant check on quality. To increase retailers' sales, Disston designed the Disston File Sales Pack, which contains 12 display cards as illustrated at the right. Each card contains three files in the three fastest selling sizes, with the correct Disston Stronghold handle for each. The 12 cards cost $7.20 and have a retail value of $10.80. Order from your jobber.

DISSTON CROSS-CUT SAWS



Among the leading brands of Disston Precision-Ground Cross-Cut Saws are Suwanee, Virginian, Buzz, Henry, Zip, Beaver and 7-11, all of which are described in the Disston Hardware Catalog. Disston also makes taper-ground saws, one-man cross-cut saws, docking saws, ice saws, etc., and a full line of cross-cut saw handles and tools.

Disston Wood Saws

The line of Disston Wood Saws is complete. Frames are made in various finishes—natural, varnished or colored. Blades are of numerous patterns, widths and styles of teeth.

Other Disston Saws

Plumbers'	**Dovetail**	**Nest**
Pattern Makers'	**Bead**	**Coping**
Flooring	**Cabinet**	**Jig**
Stair Builders'	**Keyhole**	**Jewelers'**

All described in Disston Hardware Catalog.

Get the Disston Catalog

by mailing this coupon

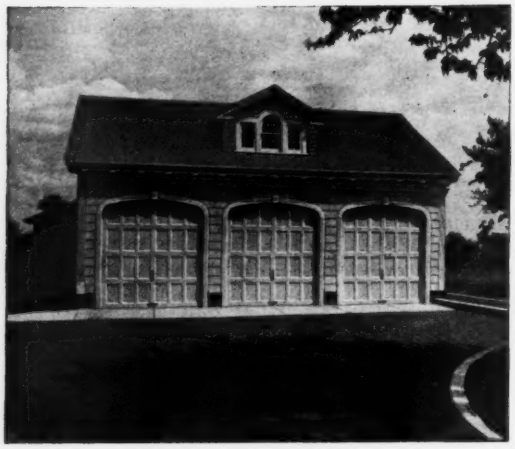
The new Disston Hardware Catalog No. 92 illustrates and describes thousands of items in the complete Disston line. It belongs in every hardware store.

For easy reference this valuable catalog is divided into sections, each complete in itself. These sections give an idea of the scope and size of the Disston Hardware Line: Hand Saws, Small Saws, and Special Saws; Pruning Tools; Trowels; Butchers' Saws; Wood Saws; Metal-Cutting Saws; Hack Saws and Frames; Files and Rasps; Tools; Cross-cut Saws; Band and Circular Saws; Planer Knives, etc. To get your copy of this new catalog, mail this coupon or write to Henry Disston & Sons, Inc., Philadelphia.

Name .....

Address .....

STANLEY HARDWARE



Stanley "ROLL-UP" Doors

Stanley "Roll-Up" Doors cover complete equipment, doors and hardware, for any opening—private and public garages, service stations, industrial and commercial buildings, fire houses, markets, warehouses, and many other types of buildings. Hardware only can be furnished when desired.

Stock sizes are 8'x 8', 8'x7'6" and 8'x7', 1⅜" in thickness. Doors of any size can be furnished, 1¾" in thickness. Eight distinctive designs in panelling are stocked, with special designs to order.

Doors are made in four or more sections, depending on height, of No. 1 Douglas fir for stock sizes, and white pine stiles and rails with fir panels for larger sizes. The hardware is made of wrought steel, with heavy oil-tempered springs of ample capacity.

Doors operate overhead, sliding up vertical tracks and resting on horizontal tracks. The action is so easy a child can easily open or close the door. Doors are attractively designed and offer complete protection from the weather.

The doors are furnished unpainted and unglazed. Hardware is Japanned, with dead bolt and all carriage bolts and nuts Cadmium plated. Gross weight — (8' x 8' opening) — 335 pounds.

Stanley "SWING-UP" Door Hardware

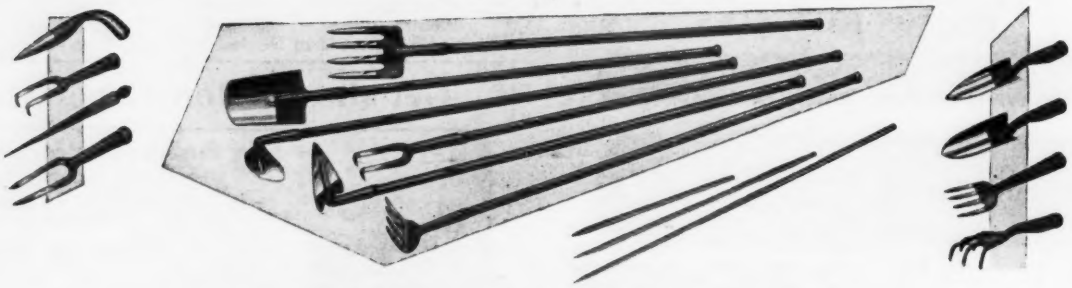
Stanley "Swing-Up" Hardware comprises hardware only for a garage or similar type door, and is especially recommended for residential garage doors. New doors or old swinging or sliding doors can be quickly and economically changed into a one-piece, overhead operating door.

Regularly furnished for doors from 8' to 9' in width and 7' to 8' in height, 1⅜" to 2¼" in thickness. Can be furnished for larger doors on order.

The hardware is designed on the pivot principle, swinging the door up into the open position through the use of large coil springs. When open, the door rests securely on the track. A safety latch prevents the door from closing until released by a conveniently placed cord. A pull brings the door smoothly and easily to the closed position. Heavy angle braces equipped with turn-buckles at top and bottom hold the door sections together and prevent warping. Steel plates attached to housings and hanger brackets extend along the side jambs, and act both as stops and as weatherstrips.

Hardware is furnished in Japanned finish, with spring axle, machine bolt for adjusting tension, and all lag screws and carriage bolts Cadmium plated. Gross weight — 245 pounds.

STANLEY GARDEN TOOLS



Stanley Garden Tools are made of wrought steel, and are strong yet light in weight. The short handled tools average 11" in length, and the long handled tools 40". Plant stakes measure 30", 45" and 60".

Attractively finished in bright colored lacquers, green with orange tips.

In addition to the items shown, The Stanley Works manufactures a complete line of wrought hardware products, including butts, hinges, bolts, latches, door holders, hinge hasps, garage hardware, screen, storm sash and blind hardware, washers and burrs, corner irons and a large variety of miscellaneous hardware.

STANLEY SW

THE STANLEY WORKS :: NEW BRITAIN, CONN.

STANLEY SW

STANLEY TOOLS

"PULL-PUSH" RULES

The rules of a thousand uses—they measure straight distances like a "Zig-Zag" Rule, and curves, angular shapes and cylinders as accurately as a steel tape.

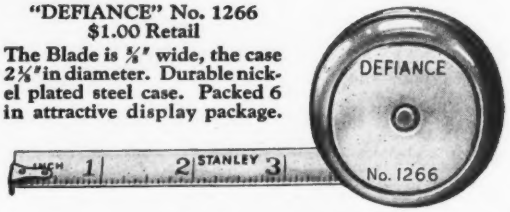
Features

1. Safe, floating "Pull-Push" action — a light pull and out comes blade, a light push and in it goes.
2. Extreme simplicity — no concealed mechanism to wear or get out of order.
3. Flexible—rigid steel blade — 6 feet accurately graduated in inches and 16ths.
4. Stop plate on blade holds it in fully extended position.
5. Hook on end of blade — handy for taking measurements beyond arms reach.
6. Will stand on edge unsupported, allowing rule blade to lie flat to work.
7. Small, handy size — may be carried in a vest pocket or purse, weighs only 2¾ ounces.

They are durable:—The blade can be bent to follow any reasonable contour. A bend sharper than an arc with one inch diameter subjects blade to destructive strain. The blade should be wiped occasionally with an oily cloth. No rule replaced without factory examination.

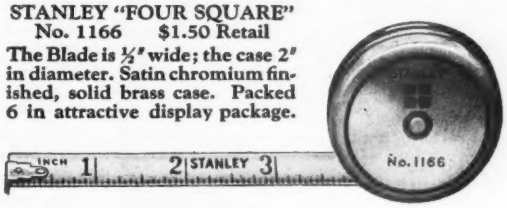
"DEFIANCE" No. 1266
$1.00 Retail

The Blade is ⅝" wide, the case 2⅛" in diameter. Durable nickel plated steel case. Packed 6 in attractive display package.



STANLEY "FOUR SQUARE"
No. 1166 $1.50 Retail

The Blade is ½" wide; the case 2" in diameter. Satin chromium finished, solid brass case. Packed 6 in attractive display package.



TOOLS FOR THE AUTOMOTIVE MECHANIC

Stanley offers you a complete line of body and fender repair tools and a complete line of automotive service tools with the exception of wrenches. (Panels shown are part of a revolving floor stand for displaying automotive tools.)

CHISELS

Cold, Cape, Diamond Point and Round Nose Chisels made from electric furnace Chrome Vanadium Steel.

PUNCHES

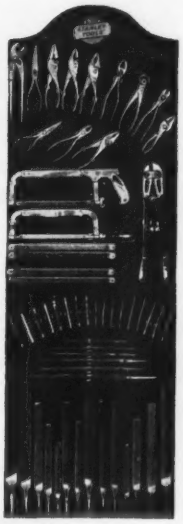
Center, Prick, Pin, Long Tapered and Hand Punches made from electric furnace Chrome Vanadium Steel.

DOLLY BLOCKS

A complete line to fit every body and fender curve.

BENDING IRONS

Also fender pliers, glass removing tools, scrapers, etc.



HAMMERS

Ball Pein, Riveting, Tire and Rim, Gasket, Bumping, Dinging, Roughing out and Upholsterers Hammers.

SCREW DRIVERS

For every purpose — square shank, offset, electrical and others.

PLIERS

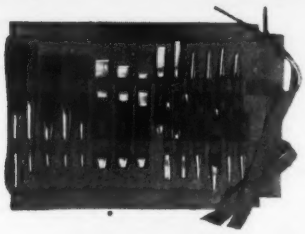
Ten of the most popular numbers. Highest quality.

FILES

Body workers, mill, half round and round files.

HACK SAWS

Tungsten alloy steel blades also hack saw frames.



KITS

Stanley Automotive Chisels and Punches are available separately or in handy Kits.

BODY AND FENDER TOOLS IN SETS

For their initial purchase many garages buy these tools in sets.

Send for complete Stanley Tool and Stanley Automotive Tool Catalogs

THE STANLEY RULE & LEVEL PLANT
THE STANLEY WORKS :: NEW BRITAIN, CONN.

Mathias KLEIN & Sons

Established 1857 — Chicago Ill. U.S.A.

3200 BELMONT AVE., CHICAGO

"Since 1857," Klein Pliers and tools have been standard with linemen, electricians and public utilities. This general acceptance of Klein products, backed by national advertising, makes it easy for you to sell Klein Pliers. Check over your stock and be sure that you carry a representative line of "Kleins." Complete catalog will be mailed on request.

KLEIN'S SIDE CUTTING PLIER

No. 201

Genuine Klein Linemen's Side Cutting Plier is one of the most popular pliers in use today. Its handles are shaped to the curvature of the hand. Powerful leverage and keen reinforced cutting knives make this plier adaptable for heavy cutting.

Full clearance back of the knife permits use on insulated wire.

Cat. No.	Size	Weight Per Doz.
201-5	5-inch	3 lbs.
201-6	6-inch	5 lbs.
201-7	7-inch	7½ lbs.
201-8	8-inch	12 lbs.
201-9	9-inch	12½ lbs.

KLEIN'S SIDE CUTTING PLIER

N. E. Type

No. 201-N. E.

These pliers are identical with Series 201 except that the nose is round to permit easier working in confined space and all edges are rounded to prevent nicking of wire.

Full clearance back of the knife permits use on insulated wire.

Cat. No.	Size	Weight Per Doz.
201-6 N.E.	6-inch	5 lbs.
201-7 N.E.	7-inch	7½ lbs.
201-8 N.E.	8-inch	12 lbs.
201-9 N.E.	9-inch	12½ lbs.

KLEIN'S OBLIQUE CUTTING PLIER

No. 202

Electricians, telephone men and switchboard builders will find this particular oblique cutting plier one of the most useful tools in their kits. Cuts close, the narrow head permitting its use in confined places. The knives are perfectly fitted, so that they meet accurately at all points.

Cat. No.	Size	Weight Per Doz.
202-5	5-inch	4 lbs.
202-6	6-inch	4¼ lbs.
242-6	6-inch (Heavy Duty Type)	4¾ lbs.

KLEIN'S END CUTTING PLIER

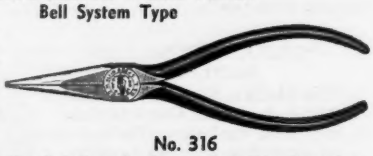
No. 232

A generally useful end cutting plier for electrical mechanics. Has stout jaws and broad cutting knives. There is ample room in the throat of pliers when needed. Frequently used for enclosed work which cannot be reached with the oblique type of cutter.

Cat. No.	Size	Weight Per Doz.
232-5½	5½-inch	4 lbs.
232-7	7- inch	7 lbs.

KLEIN'S LONG NOSE PLIER

Bell System Type



No. 316

This plier is similar to the regular Klein Long Nose Plier No. 301-6 but is slightly shorter in the nose and longer in the handle. The grasp is exactly suited to the hand and gives maximum leverage. Will hold firmly at extreme point. For switchboard, telegraph and telephone work, and all other purposes where necessary to reach into confined spaces. Point 1/16 in. round.

Cat. No.	Size	Weight Per Doz.
316-6	6-inch	3 lbs.

KLEIN'S LONG NOSE PLIER

No. 301

Special features of this tool are its adaptability to stripping the ends of insulated wire and the extra long reach of the jaws which permits getting into difficult places. For switchboard, telegraph and telephone work, armature winding, etc. Point ⅛ in. round.

Cat. No.	Size	Weight Per Doz.
301-5	5-inch (Plain)	2¾ lbs.
301-6	6-inch (Plain)	3 lbs.
203-5	5-inch (Cutting Knives)	2¾ lbs.
203-6	6-inch (Cutting Knives)	3 lbs.

KLEIN'S LONG FLAT NOSE PLIER

No. 305

This plier is especially hardened and tempered, so that the jaw will not spring when pressure is applied. This tool is adaptable to switchboard work, telephone and telegraph work, armature winding, etc.

Cat. No.	Size	Weight Per Doz.
305-6	6-inch (Plain)	3½ lbs.
206-6	6-in (Cutting Knives)	3½ lbs.

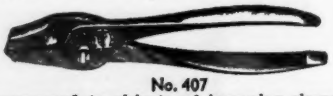
KLEIN'S SLIP JOINT PLIER

No. 406

Made of tempered tool steel (like all Klein Pliers). Has a wire cutter and a screwdriver handle.

Cat. No.	Size	Weight Per Doz.
406-6½	6½-inch	7 lbs.

KLEIN'S "UTILITY" SLIP JOINT PLIER

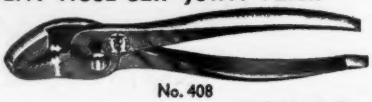


No. 407

Heavy duty type, is adaptable as a pipe wrench and wire cutter. Has sure grip jaws which readily accommodate objects of irregular shape.

Cat. No.	Size	Weight Per Doz.
407-7	7-inch	7½ lbs.

KLEIN'S BENT NOSE SLIP JOINT PLIER

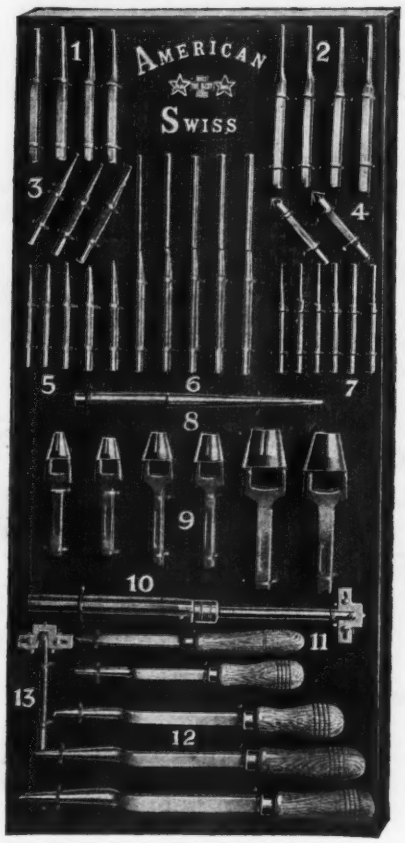


No. 408

Designed for use in difficult places. An excellent general purpose tool. Made of tempered tool steel.

Cat. No.	Size	Weight per Doz.
408-8	8-inch	8 lbs.

American Swiss

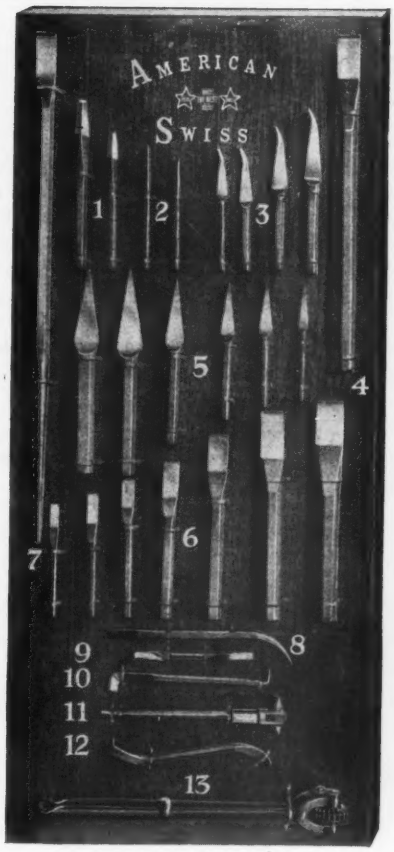


Mechanics' Hand Tools and Knurls

A few of the many quality mechanics' hand tools which we manufacture in addition to the well known **American Swiss Files of Precision.** The same quality workmanship and careful adherence to the standard that for over 30 years has made the **American Swiss File of Precision** famous in its field, is being rigidly followed in the manufacture of these tools.

Send for American Swiss Tool catalog.

MACHINE KNURLS HAND KNURLS



Catalog No.	No.	Articles
1	35	Solid punches
2	120	Octagon pin punches
3	10	Nail sets
4	10	Rose countersinks
5	11	Knurled prick punches
6	130	Long pin punches
7	12	Knurled pin punches
8	131	Drift punches
9	5	Arch punches
10	3	Valve grinder
11	30	Bearing scraper
12	279	Bearing scraper
13	5	Valve grinder brace

Catalog No.	No.	Articles
1	11	Diamond nose chisels
2	15	Round nose chisels
3	5	Oil groove chisels
4	1L	Long cold chisels
5	6	Cape chisels
6	1	Cold chisels
7	30	Pinch bar
8	16	Cotter pin extractor
9	12	Screw driver bits
10	14	Double end screw driver straight
11	18 and 18A	Ratchet screw driver
12	15	Double end screw driver bent
13	40	Emery wheel dresser

American Swiss self-clearing punches, used for cutting same materials as our regular Arch and Saddler's Punch.

NO. 110 S. C.
SADDLERS' PUNCHES

NO. 105 S. C.
ARCH PUNCHES

Special Tools Made to Order

AMERICAN SWISS FILE & TOOL CO. Elizabeth, N. J.

GREENLEE TOOL CO.

Manufacturers

ROCKFORD, ILLINOIS, U.S.A.

TOOLS FOR THE WOODWORKER

The Tools listed below have been chosen from the most important items in the Greenlee line of Hand Tools for the Woodworker. They are the ones that find most ready market in the average hardware store, where an effort is made to advance the sale of quality tools and to build good will as a basis for repeat business.

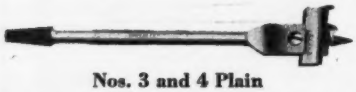
Fashioned by expert craftsmen with years of experience in fine tool making, Greenlee Tools are produced from the best materials obtainable for the purpose and are scientifically heat treated to provide cutting edges that last. Each one is guaranteed against any imperfection of materials or workmanship.

Greenlee Tools will help build prestige for the tool department of any hardware store. If you wish to know more about them, write for our catalog showing the complete line of auger bits, reamers, countersinks, chisels, gouges, draw knives, etc.

EXPANSIVE BITS

Nos. 5 and 6 Setfast

Because of its convenient and quick adjusting and locking mechanism, the Setfast Expansive Bit has become most popular. A quarter turn of the eccentric pin locks or loosens the cutter. The setting of the cutter to the size desired is accomplished by turning the adjusting barrel with the thumb. All Greenlee Expansive Bits have wide open throat channels to eliminate clogging and to permit using coarser screw points for fast boring. The No. 5 will bore from ⅝" to 1¾", and the No. 6 from ⅞" to 3", or to 4" with an extra length cutter.



Nos. 3 and 4 Plain

Greenlee Plain Expansive Bits have the same boring qualities as the Setfast, but the cutter is held by a clamp and a cap screw. The No. 3 will bore from ½" to 1½", and the No. 4 from ⅞" to 3", or 4" with an extra length cutter.

AUGER BITS

No. 12 Extension Lip

This Extension Lip Auger Bit has earned a splendid reputation for itself in pattern and cabinet work, because of its smooth boring ability. It is carefully finished and has a double-thread screw point. It feeds itself into the wood with ease, and it always clears the chips freely.

No. 22 Solid Center

The Greenlee Solid Center Auger Bit is very popular for general boring, because of its extension lip, double cutter and medium pitch screw point. The center stem gives stiffness and strength, and the single spiral allows for a wide chip channel to give ample chip clearance.

No. 16 Unispur Electrician

This Electrician Bit has a single cutter head and one outlining spur. It is fast, boring one inch in eight turns, and it cuts easily and smoothly. It is 10" long over all.

No. 31 Double Speed Electrician

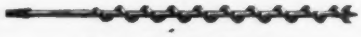
Known as the fastest boring Electrician Bit on the market, the No. 31 bores one inch in six turns, or about twice as fast as the average auger bit. It is a double-twist bit with a double-thread screw and has a double-spur head to give long life. The over-all dimension is 8½".

BRACE DRILLS

No. 46 Brace Drill

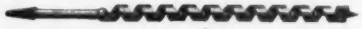
Greenlee Brace Drills have a value not found in ordinary tools of this kind, because of material, workmanship and finish. They are unusually strong and, at the same time, have good chip clearance. Over-all lengths vary from 4½" to 8", depending upon the size of tool.

CAR BITS



No. 56 Solid Center

When the ordinary length of auger bit is not sufficient, Greenlee Solid Center Car Bits are recommended, because of their stiffness and ample chip clearance. Double spurs and double cutters are provided, and the entire tool is polished, excepting the square. The No. 56 is 17" over all, and the No. 53 has a length of 12".



No. 64 Ship Auger Car Bit

The natural strength and easy boring qualities of Greenlee Ship Auger Car Bits make them ideal for boring in green or wet timbers and for ship yard and car shop work. They can be furnished with either fully polished or japanned twist. The No. 64 is 17" over all, and the No. 62 has a length of 12".

BIT EXTENSIONS

No. 900 Bit Extension

Greenlee Bit Extensions are sturdy tools with a positive lock, which rigidly grips the bit shank and makes it impossible to lose the bit in the work. The No. 900 will drive bits up to 1" diameter and is small enough to follow a ⅝" bit. The heavier No. 925 will drive a 2" bit and follow a 13/16" tool.

CHISELS and GOUGES

No. 200 Socket Butt Chisel

Greenlee Chisels are exceptionally high quality tools. The blades are made from high-carbon crucible steel, providing toughness, uniformity and the ability to hold a fine cutting edge. The line includes various Butt, Short Firmer and Regular Firmer types, and all can be furnished with plain or bevel-edged blades and with either leather-tipped or all-wood handles. The No. 200 Butt Chisel has a 2¾" long blade for working in close quarters.

No. 400 Tang Butt Chisel

This chisel is similar to the No. 200, except for the handle fastening which includes a strong tang and a heavy brass ferrule. Handles are of polished hardwood. The blades are light and thin, making a well balanced tool.

No. 330 Socket Firmer Gouge

Greenlee Socket Firmer Gouges have the same high grade construction as Greenlee Chisels, in that the socket is formed from a piece of seamless steel tubing invisibly welded to the high-carbon tool steel blade. These tools are made with either outside or inside bevel and are fitted with leather-tipped or all-wood handles. All surfaces are fully polished.

TURNING TOOLS

No. 476 Turning Chisel

No. 576 Turning Gouge

Because of proper materials and careful heat treatment, Greenlee Turning Tools are known for their ability to stand up under hard work. They consist of the Chisel and Gouge, illustrated here, and a Parting Tool with 7" blade. The Chisel and Gouge have 8" blades and all have 8" polished hardwood handles. Stock Chisels have a bevel ground on both sides of the cutting edge, being a combination of right and left-hand skew. Chisels with special points such as right skew, left skew, square, spear and round point are furnished.

STAR HACK SAWS
for every purpose

From special flexibles to all hards and from light power to high speed hand and power blades—and now Star "Moly" heavy duty, extra value hand and power blades, Clemson's latest achievement. There's a superior Star blade for every purpose—backed by Clemson's half century of leadership in providing better hack saw values.

ALL HARD Tungsten Hand Blades

FOR THE SKILLED MECHANIC

For use on exceptionally hard material

Size (Inches)	14 Teeth per In.	18 Teeth per In.	24 Teeth per In.	32 Teeth per In.	Weight Per Gross	Price Per Gross
8x7/16x.025 or 23 Ga.		818	824	832	3½ lb.	$8.00
10x½x.025 or 23 Ga.	1014	1018	1024	1032	5 lb.	10.00
12x½x.025 or 23 Ga.	1214	1218	1224	1232	6⅛ lb.	12.00
12x5/8x.025 or 23 Ga.	1214X	1218X			7 lb.	13.50

STAR Tungsten SPECIAL FLEXIBLE

The Special Flexible blade is a correctly designed and tempered blade for use by garagemen, electricians, plumbers, structural steel workers and auto body makers. If you have never tried this blade, get a sample dozen. Their performance and the results will amaze you.

Size (Inches)	14 Teeth per In.	18 Teeth per In.	24 Teeth per In.	32 Teeth per In.	Weight Per Gross	Price Per Gross
8x7/16x.025 or 23 Ga.		818SF	824SF	832SF	3½ lb.	$8.00
10x½x.025 or 23 Ga.	1014SF	1018SF	1024SF	1032SF	5 lb.	10.00
12x½x.025 or 23 Ga.	1214SF	1218SF	1224SF	1232SF	6⅛ lb.	12.00

Specify SPECIAL FLEXIBLE

We are the originators and sole manufacturers of this blade.

STAR Rail Blades

For Cutting High Carbon Rails

12x½x.025 or 23 Ga. 14 T. to inch. $12.00

LIGHT POWER Tungsten Machine Blades

For heavy hand frame and light power machine work. Use 14 teeth for cutting iron pipe, bronze, copper, wrought iron; 18 teeth for cutting copper tubing, thin metals, light angle iron.

Size (Inches)	14 Teeth Per Inch	18 Teeth Per Inch	Weight Per Gross	Price Per Gross
12x5/8x.032 or 21 Ga.	1284	1288	10 lb.	$16.20
12x¾x.032 or 21 Ga.	1234	1238	12¼ lb.	19.44

HEAVY POWER Machine Blades

Use 4 teeth for cutting large solid stock, heavy cast iron; 6 teeth for cutting machinery steel, soft steel, solid stock; 10 teeth for cutting iron pipe, steel rails, heavy angle iron, bronze, brass, tool steel; 14 teeth for cutting steel tubing, light angle iron, hard metal.

Size (Inches)	4 Teeth per In.	6 Teeth per In.	10 Teeth per In.	14 Teeth per In.	Weight Per Gross	Price Per Gross
12x¾x.049 or 18 Ga.			1239	1239A	18 lb.	$24.48
12x1 x.049 or 18 Ga.			1219	1219A	24½ lb.	32.64
14x ¾x.049 or 18 Ga.			1439	1439A	21½ lb.	28.56
14x1 x.049 or 18 Ga.			1419	1419A	27½ lb.	38.08
14x1¼x.065 or 16 Ga.	1445D	1445C	1445		46 lb.	58.80
17x1 x.049 or 18 Ga.			1719	1719A	33 lb.	46.24
17x1¼x.065 or 16 Ga.	1745D	1745C	1745		58 lb.	71.40
18x1¼x.065 or 16 Ga.		1845C	1845		62 lb.	75.60
21x1½x.065 or 16 Ga.	2125D	2125C	2125		90 lb.	105.84
24x1½x.065 or 16 Ga.		2425C	2425		102 lb.	120.96

Order by number as a safeguard against error.

OUR LATEST ACHIEVEMENT

STAR "MOLY" Heavy Duty, Extra Value

Hand Blades

Size (Inches)	14 Teeth per In.	18 Teeth per In.	24 Teeth per In.	32 Teeth per In.	Weight Per Gross	Price Per Gross
10x½x.025 or 23 Ga.		1018	1024	1032	5 lb.	$40
12x½x.025 or 23 Ga.	1214	1218	1224	1232	6⅛ lb.	48

Power Blades

Size (Inches)	14 Teeth per In.	10 Teeth per In.	6 Teeth per In.	4 Teeth per In.	Weight Per Gross	List Price Per Gross
12x1 x.049	1219A				24½ lb.	$120.96
12x1x.065		1215	1215C		30 lb.	120.96
14x1x.049	1419A				27½ lb.	141.12
14x1x.065		1415	1415C		34 lb.	141.12
14x1¼x.065		1445	1445C	1445D	46 lb.	176.40
17x1x.049	1719A				33 lb.	171.36
17x1x.065		1715	1715C		41½ lb.	171.36
17x1¼x.065		1745	1745C	1745D	58 lb.	214.20
18x1x.065		1815			44½ lb.	181.44
18x1¼x.065			1845C	1845D	62 lb.	226.80
21x1½x.065		2125	2125C	2125D	90 lb.	317.52
24x1½x.065		2425	2425C		102 lb.	362.88

When ordering by number add the word "Moly" otherwise regular tungsten alloy blades will be furnished.

No samples. Our liberal guarantee protects user.

STAR Blades made of High Speed Steel can also be furnished in same sizes as Molybdenum blades but at higher list prices.

CLEMSON BROS., INC., Middletown, N. Y.

STAR HACK SAWS

2333

ARMS

New 1932-33 *Designs and Steels*

ARMSTRONG Drop Forged WRENCHES

Drop Forged Carbon Steel

finished in black baked enamel with heads ground bright

ARMSTRONG WRENCHES, generally recognized as the finest wrenches made, have been made still better. A new design of head—lean tapering jaws, a longer, stronger wrench, made possible by a new and better steel; a handier wrench that gives greater leverage and a more comfortable grip; these are among the new 1932 improvements.

ARMSTRONG WRENCHES are made in 37 types, in all sizes from tiny miniature wrenches that weigh less than an ounce to the big 2-man wrenches weighing over 40 pounds. Though of many varieties ARMSTRONG Wrenches are of *1 quality*—the best that can be made. Because there never have been "seconds" in the ARMSTRONG Line of Wrenches, buyers do not question their value or price. They are profitable wrenches to carry—have a substantial margin, give satisfaction and build repeat business.

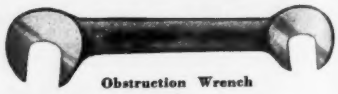
37 types — All Sizes — One Quality

ARMSTRONG-VANADIUM WRENCHES

Drop Forged Chrome Vanadium

finished in nickel over copper with heads buffed bright.

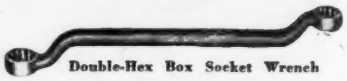
Longer
Lighter
Thinner
STRONGER



Obstruction Wrench

Tappet Wrench

"S" Wrench



Double-Hex Box Socket Wrench

Forged from Chrome-Vanadium Steel, a steel the merits of which everybody knows, these beautifully designed and finished wrenches need only to be seen to be wanted. They are made in standard patterns and many of the newer designs.

These are lighter, thinner wrenches with lean tapering jaws that reach in and take a firm grip where other wrenches cannot reach. They are stronger—are guaranteed not to break or spread. These wrenches are enjoying an increasing market among mechanics and buyers of quality tools, a rapidly increasing sale to homecrafters. They have *apparent* quality and worth, have the balance, the "feel" of fine tools, and once in a prospect's hand are half-sold. It will pay to display these tools, for they will bring in buyers.

Push Sets for Volume Sales and Profits

It is frequently an easy matter to convert the sale of a wrench into the sale of a matched set of wrenches. Every wrench buyer is a prospective set buyer if you have sufficient variety of sets to offer. ARMSTRONG WRENCHES come in sets of 5, 6, and 10 matched wrenches, in cardboard boxes or rolls.

Attractive Stock Display Boards, "Automatic Salesmen" are furnished to Hardware Dealers with initial stock orders. Special Boards will be made up where needed to harmonize with store furnishings.

ARMSTRONG VANADIUM Wrench Sets

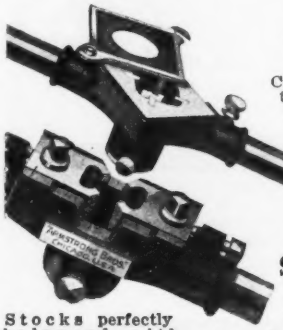
These sets come in black leatherette rolls:

Double Head Engineers' Wrench Sets
Obstruction Wrench Sets
Tappet Wrench Sets
Miniature Wrench Sets
Double Off-set Box, Socket Wrench Sets in steel cases

STRONG

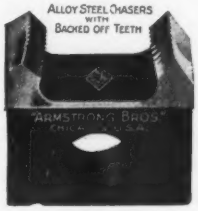
ARMSTRONG BROS.
Better PIPE TOOLS

Pipe Tools made by the Armstrong Bros. Tool Co. ("The Tool Holder People") are known as "ARMSTRONG BROS." Better Pipe Tools. Each carries the Arm-and-Hammer Trade Mark to distinguish it from other pipe tools of similar name. Each is an improved tool designed after exhaustive tests of other types and makes—improved in design, in material, workmanship, balance and finish. The most complete line of hand pipe tools made.



ARMSTRONG BROS. Dies

Cut easier, cut faster, cut smoother threads and hold sharpness. Chasers of Vanadium Tool Steel, are "backed-off." Other improvements include: Correct Cutting Angle; Correct Throat Angle; and Ample Chip Clearance.



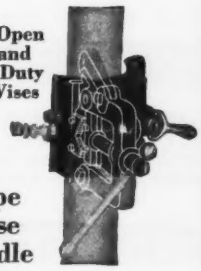
Stocks and Dies In Sets

Stocks perfectly balanced with smooth bodies that fit comfortably in hand. Take all standard dies.

Patented Chain Vise

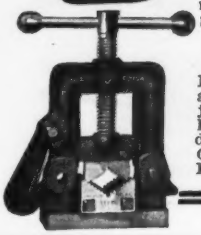
Light, strong, large capacity. Drop forged 1-piece jaws (patented feature). Drop forged base and handle. Alloy steel screw. Proof-tested Chain.

Also Open Side and Heavy Duty Pipe Vises



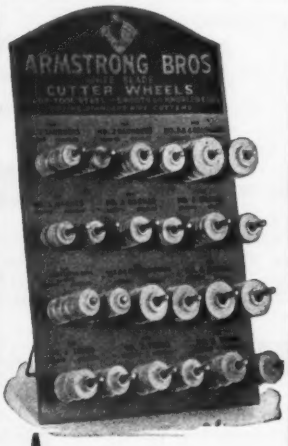
Pipe Vise Saddle

Holds all ordinary vises. Attaches instantly and rigidly to square or round post.



Standard Vises

Drop forged (unbreakable) hooks; tool steel jaws, carefully milled and hardened; Oval-end handles; double-wear thread; Certified Malleable Iron Body.



ARMSTRONG BROS. Knife Blade Cutter Wheels have thin penetrating blades that cut faster, easier. Alloy Steel, heat treated and oil tempered, they hold their edge. Cadmium plated.

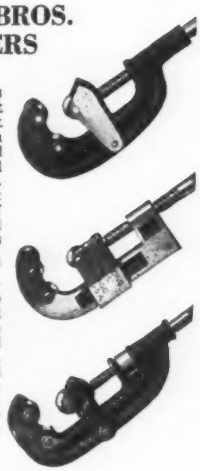
ARMSTRONG BROS.
Pipe Wrenches—Chain Wrenches

Pipe Wrench (patented) has 10 improved features: No frame. Nut can't fall out. Replaceable Tool Steel Jaws. Improved spring action. Handle strongest at point of strain. Forged-in lugs to take-up side strain. Self cleaning ball-and-socket action. No projections below line of handle.

Chain Wrenches have drop forged jaws, hardened and tempered. Forged handles. Proof-tested chains. Large bolt. Standard or Reversible-Jaw types.

ARMSTRONG BROS. PIPE CUTTERS

"Saunders Type": thrust rod hardened at point bears on hardened steel block embedded in swinging arm. "Barnes Type": threaded part of body drop forged steel, this gives double life. "Heavy Duty" type has hardened steel nut to absorb end thrust. All have hardened steel pins and rollers, handles knurled for quick adjustment. Improved Alloy Steel Knife Blade Wheels.

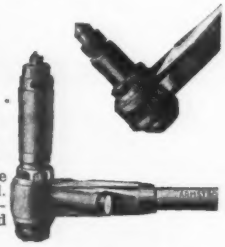


ARMSTRONG "C" Clamps

All sizes and types. Drop Forged Steel. Special steel screws with double wear threads. Improved designs. Each is a fine tool.

ARMSTRONG Ratchet Drills

The most complete line made. All steel. Wearing parts hardened. Also, drop forged drilling posts.



Write for Catalog B-27—176 pages of quality tools—and for information regarding window and counter displays, direct mail materials, and other Dealer Helps, furnished without charge.

ARMSTRONG BROS. TOOL CO.
"The Tool Holder People"
300 N. Francisco Ave., Chicago, U. S. A.
London Branch: Armstrong Bros Tool Co., Ltd.

Quality Files for every obtainable in any the NICHOLSON

NOTE: Frequent reference is made to "length," "kind" and "cut." "Length" is measure of file exclusive of tang. "Cut" means both character and degree of coarseness of teeth.

MILL FILES: Lengths 3" to 18". For sharpening Mill Saws; for lathe work and draw filing. Sometimes for finishing compositions of brass and bronze.

REGULAR TAPER FILES: Lengths 3" to 12". Single Cut—Tapering Sides. Mainly used for sharpening coarse tooth hand saws, small circular saws, etc

SLIM TAPER FILES: The most popular Saw file. Single Cut—Tapering Sides. Considerably lighter than regular taper. Widely used for sharpening regular hand saws.

DOUBLE END TAPER FILES: Reversible: Lengths 7" to 10". Single Cut—Tapering Sides. Same as Slim Taper except double end which gives two files in one. For hand and bench saw filing.

BAND SAW FILES: Lengths 4" to 10". Made in Parallel or Blunt or Tapering Sides—Mill Cut. Has rounded edges and shorter angles than taper patterns.

CROSS CUT SAW FILE: Lengths 6" to 12". Single Cut—Knife Shape. For filing two-man cross cut saws, principally the Great American Style tooth.

CANT SAW (Lightning): Lengths 6" to 10". Single Cut—Parallel Teeth. For filing cross cut saws having M shaped teeth.

FLAT FILES: Double Cut—Tapering Sides. Lengths 4" to 18". Not confined to any specific work but readily used by mechanics for cutting and shaping metal surfaces.

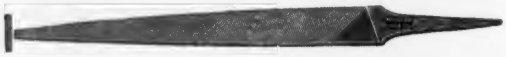
HALF ROUND FILES: Lengths 3" to 18". Double Cut on Flat Side. Double or Single Cut on half round side, depending on length and coarseness of cut. Used mostly where concave or irregular surfaces must be filed.

ROUND FILES: Lengths 4" to 20". Double Cut—Tapering Sides. For enlarging circular openings which are filled in, concave surfaces or internal angles.

SQUARE FILES: Lengths 4" to 20". Double Cut—Tapering Sides. Used in all industries for enlarging rectangular openings.

HAND FILES: Lengths 4" to 18". Double Cut—Parallel Sides—One Safe Edge. Preferred by machinists and engineers for finishing flat surfaces. Its shape and safe edge make it useful when a flat type file cannot be used.

KNIFE FILE: Lengths 4" to 10". Double Cut—Tapering Sides. Used by tool and die makers on work having acute angles.

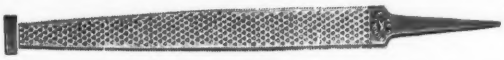


WARDING FILES: Lengths 4" to 10". Double Cut—Tapering Sides. Used some by machinists and jewelers but more by locksmiths for making keys.

industrial and home need brand made by FILE COMPANY

PLANER KNIFE: Lengths 4" to 10". Single Cut—Parallel Sides—Round Ends. The best file for sharpening Planer Knives, paper cutting knives, etc.

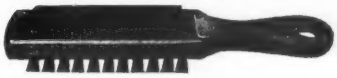
PLAIN HORSE RASP: Lengths 12" to 18". Rasp Cut—Parallel Sides. Used by Blacksmiths for Horse shoeing.



FLAT WOOD RASP: Lengths 8" to 16". Rasp Cut—Tapering Sides. For wheelwrights, carriage makers, and for woodworking in general.

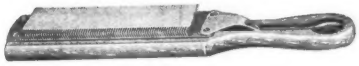
SPUN FERRULED FILE HANDLE

HALF ROUND WOOD RASP: Lengths 6" to 16". Rasp Cut—Tapering Sides. Used by woodworkers, wheelwrights, plumbers, etc.



FILE BRUSH

CABINET RASP: Lengths 6" to 14". Rasp Cut—Tapering Sides. Used by Cabinet Makers and Woodworkers.



FILE CARD

THESE files are available in any of the brands manufactured by the Nicholson File Company. Every file bearing a Nicholson File Company Brand is rigidly and repeatedly tested before it leaves the factory. The presence on a file of any of the brands shown below means that the file is guaranteed by the Nicholson File Company; that it is the product of the world's largest manufacturer of files.

Catalogue showing complete line sent on request

NICHOLSON FILE COMPANY
Providence, R. I., U. S. A.

A FILE FOR EVERY PURPOSE

LOWELL REVERSIBLE RATCHET WRENCHES

BUILT FOR LONG, HARD SERVICE

REAL TIME AND LABOR SAVING TOOLS

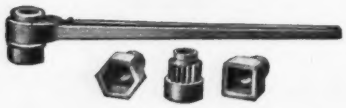
"RED FACE" BRIDGE BUILDERS WRENCHES

No.	Length of Handle feet	Apprx. Weight pounds	Size of Opening, Inches	
			Square	Hexagon
1	3	11	1, 1⅛, 1¼, 1⅜, 1 7/16,	1 1/16, 1¼, 1 7/16, 1⅝
2	3	14	1¼, 1½, 1⅝, 1 13/16, 2	1 13/16, 2, 2 3/16, 2⅜
3	3	23	2, 2¼, 2⅜, 2½	2 9/16, 2¾, 2 15/16, 3⅛

1916 PATTERN

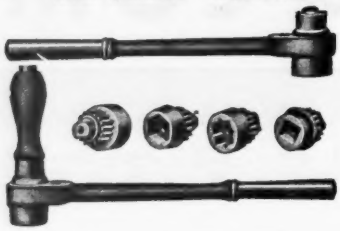
No.	Length of Handle Inches	Size of Opening, Inches	
		Square	Hexagon
0	7	¼, ⅜, ½	½, 19/32
1	10	⅜, ½, ⅝	19/32, 11/16, 25/32
2	12	½, ⅝, 11/16, ¾	11/16, 25/32, ⅞, 31/32
3	15	⅝, 11/16, ¾, 13/16, ⅞, 31/32,	31/32, 1 1/16 1⅛, 1¼
3½	18	1, 1 1/16, 1⅛	.....
4	18	1, 1⅛, 1¼, 1⅜, 1 1/16,	1 1/16, 1¼, 1 1/16, 1⅜
4½	24	1½	1 13/16

"RED SOCKET" STEEL SOCKET BRIDGE WRENCHES.

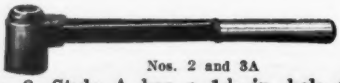


No.	Length of Handle feet	Apprx. Weight pounds	For Nuts Short Diameter Square or Hexagon
1 1½	2 3	10 12	1, 1 1/16, 1¼, 1 7/16, 1⅝, 1 13/16, 2
2 2½	3 4	23 26	2, 2 3/16, 2⅜, 2 9/16, 2¾, 2 15/16, 3⅛
3 3½	3 4	50 54	3⅛, 3½, 3⅞, 4¼, 4⅝, 5

"RED SOCKET" WRENCHES



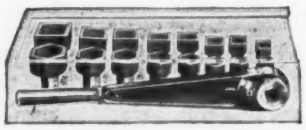
No.	Length of Handle Inches	For Nuts Short Diameter	
		Square	Hexagon
1	12	⅜ taper, ½, ⅝, 11/16, 19/32, 11/16, 25/32, ⅞, 31/32, 1 1/16, 1 5/16, 1¼	11/16, 25/32, ⅞, 31/32, 1 1/16, 1¼
2	16	1, 1 1/16, 1 3/16, 1¼, 1 7/16	1 1/16, 1¼, 1 7/16, 1⅝
3	20	1, 1 1/16, 1¼, 1 7/16, 1⅝, 1 13/16	1, 1 1/16, 1¼, 1 7/16, 1⅝, 1 13/16



Nos. 2 and 3A

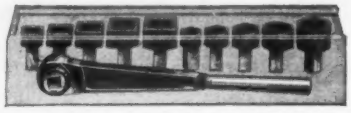
No. 2, Style A has a 1 7/16 in. hole for bolt to pass through socket.
No. 3, Style A has a 1⅛ inch hole.

"RED SOCKET" MULTIPLEX WRENCHES



No. 1

No. 1 Wrench has a 12-inch Handle and will take square or hexagon nuts. ¼, 5/16, ⅜, 7/16, ½, 9/16, ⅝, ¾ inch Bolt Diameters. ½, 19/32, 11/16, 25/32, ⅞, 31/32, 1 1/16, 1¼-inch Smaller Outside Diameters.



No. 2

No. 2 Wrench has a 20-inch Handle and will take square or hexagon nuts. ¾, ⅞, 1, 1⅛, 1¼ inch Bolt Diameters. 1¼, 1 7/16, 1⅝, 1 13/16, 2-inch Smaller Outside Diameters.

WRITE FOR PRICES

LOWELL WRENCH COMPANY

WORCESTER, MASS.

MAYDOLE TOOLS

The same high quality and expert craftsmanship, that has made the Maydole Hammer famous for over a century, are built into all Maydole Tools.

The complete line of hammers—Maydole, Octole, Norwich, D.M.T.—provides a sufficiently wide range of styles and prices to meet every requirement of the hardware trade. Maydole Hatchets, Non-Mushrooming Cold Chisels and Punches and the improved, patented Stillson Type Wrench are other tools that have found ready acceptance.

For more complete data on the line of Maydole Tools, write us direct.

MAYDOLE HAMMERS

Adze Eye Nail Hammers

	Numbers	Weights in Ounces (Exclusive of Handle)
Plain Face	0-3	26 to 7
Bell Face	10-14	25 to 5
Creased Face	811-812	19 to 12
Octagon Face	200-203	28 to 8
Plain Face, Straight Claw	700-702	26 to 13
Bell Face, Straight Claw	710-713	25 to 7

Machinist Hammers

Ball Pein, Round	70-79¾	48 to 1
Ball Pein, Round, Oil Finish	770-779¾	48 to 1
Chipping Pein	100-102	28 to 18
Cross Pein	172-174	24 to 16
Boiler Chipping	1347-1348	9 to 7

Riveting Hammers

Wedge Pein	40-44	24 to 4
Wedge Pein, Oil Finish	740-744	24 to 4
Round Pein	243-247	8 to 1
Wedge Pein	265-269	6 to 1
Tinners' Riveting, Bevelled	291-295	24 to 8
Tinners' Setting, Bevelled	331-335	24 to 8

Heavy Hammers

Blacksmiths' Hand, Wedge Pein	760-762	64 to 42
Engineers' Hand, Riveting Pein	791-793	36 to 24
Carriage Ironers' Hand, Oval Pein	1012-1015	38 to 24
Engineers', Double Face	1663-1664	48 to 40

Adze Eye Farriers' Driving Hammers

Boston Pattern	151-153	12 to 7
Round	251-253	12 to 8

Tilesetters' Hammer

	406-407	4 to 3

Miscellaneous

Brad Hammer	226-227	4 to 3
Adze Eye Pattern Makers' Hammer	935	5
Adze Eye Prospectors' Pick	1482-1483	24 to 16
Adze Eye Bricklayers' Hammer	562-564	30 to 16
Adze Eye Bricklayers' Skutch	2562-2563	30 to 22
Prospectors' Hammer	682	28
Electricians' Hammer	E12	12

NORWICH HAMMERS

Bell Face, Curved Claw	N11½-12	16 to 12
Bell Face, Straight Claw	N711½	16
Norwich Ball Pein Hammers	N71-75	32 to 12

OCTOLE HAMMERS

Curved Claw	011½-012	16 to 12
Straight Claw	0711½	16

D. M. T. HAMMERS

	Numbers	Weights in Ounces
Curved Claw	S11½-12	16 to 12
Straight Claw	S711½	16
D. M. T. Ball Pein Hammers	S71-75	32 to 12

MAYDOLE HATCHETS

(4 per carton)

No.	Bit
1 Half	3"
2 Half	3¼"
2 Shingling	3⅞"
1 Broad	4"
2 Broad	4½"
3 Broad	5"
2 Claw	3⅞"

MAYDOLE NON-MUSHROOMING COLD CHISELS

Face	Stock	Length	Face	Length
¼"	¼"	5"	⅝"	12"
⅜"	⅜"	5"	¾"	12"
½"	7/16"	6"	⅞"	12"
⅝"	½"	6½"	1"	12"
¾"	5/8"	7"	¾"	18"
⅞"	¾"	8"	⅞"	18"
1"	⅞"	8½"	1"	18"
			¾"	24"
			⅞"	24"
			1"	24"

MAYDOLE PATENTED PIPE WRENCH

Size	Pipe capacity including coupling
8"	⅛" to ¾"
10"	⅛" to 1"
14"	¼" to 1½"
18"	¼" to 2"

MAYDOLE NON-MUSHROOMING PUNCHES

(6 per carton)

Center Punches

Nos.	Length	Stock
401	4½"	⅜"
402	5"	7/16"
403	5½"	½"

Drift Punches 6" Long

Nos.	Point	Stock	Nos.	Point	Stock
453	⅛"	¼"	456	¼"	½"
454	3/16"	⅜"	457	5/16"	½"
455	7/32"	½"	458	⅜"	½"

Drift Punches 9" Long

Nos.	Point	Stock	Nos.	Point	Stock
484	⅛"	½"	487	¼"	½"
485	3/16"	½"	488	5/16"	½"
486	7/32"	½"	489	⅜"	½"

Lining Up Punches

Nos.	Point	Length	Stock	Taper Length
420	3/32"	9"	½"	6"
421	¼"	10"	9/16"	7"
422	⅜"	12"	¾"	8"

DAVID MAYDOLE TOOL CORP., Norwich, N. Y.

2344

BEMIS & CALL
and
COES WRENCHES

These popular brands of wrenches are widely known, strongly constructed and profitable sellers. They give unfailing satisfaction.

B. & C. No. 48
IMPROVED ADJUSTABLE "S" NUT WRENCH

Recommended for motorists. Quickly adjustable, rigidly constructed—ample leverage for use in awkward places. Can be used where other wrenches can neither reach nor work.

Size	6	8	10	12	14 in.
Price	$8.00	$10.00	$12.00	$18.00	$24.00 per dz.
Open	¾	1	1⅜	1⅝	2 in.
Weight	5½	12	22	33	58 lbs. per dz.

B. & C. COMBINATION WRENCH

Head, bar and shank one-piece steel forging. Case hardened throughout, parts interchangeable. Bright finish with long nut, No. 45. Black with long nut, No. 46.

8 in. adj. to pipe from ¼ in. to ¾ in. Diam.	$27.00 per dz.
10 in. adj. to pipe from ¼ in. to 1 in. Diam.	30.00 per dz.
12 in. adj. to pipe from ½ in. to 1¾ in. Diam.	36.00 per dz.
15 in. adj. to pipe from ½ in. to 2¼ in. Diam.	48.00 per dz.
18 in. adj. to pipe from ½ in. to 3 in. Diam.	87.00 per dz.

COES GENUINE KNIFE-HANDLE SCREW WRENCH

Known since 1841 for quality, and serviceability. Used for all general purposes for shop and home.

Size	6	8	10	12	15	18	21 in.
Price	$15.00	$18.00	$22.00	$28.00	$38.00	$48.00	$58.00 dz.
Open	⅞	1¼	1¾	2¼	2⅝	3	4⅛ in.
Weight	8½	14½	30	40	56	78	109 lbs. per dz.

COES STEEL-HANDLE WRENCH

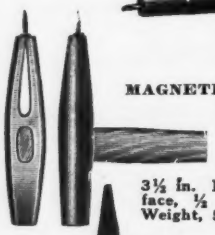
All steel. Used by railroad and mining companies and for all heavy and exposed work.

Size	6	8	10	12	15	18	21 in.
Price	$15.00	$18.00	$22.00	$28.00	$38.00	$48.00	$58.00 dz.
Open	⅞	1¼	1¾	2¼	2⅝	3	4⅛ in.
Weight	9	16	27	45	60	85	112 lbs. per dz.

Ask Your Jobber to Supply You
Send for Latest Catalogs

BEMIS & CALL CO.
Springfield, Mass. U. S. A.

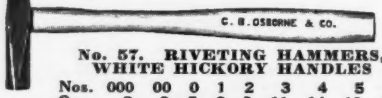
ESTABLISHED 1826
OSBORNE HIGH GRADE TOOLS
ALL TOOLS ARE STEEL FORGED AND MECHANICALLY RIGHT



No. 222. MAGNETIC UPHOLSTERERS' HAMMER

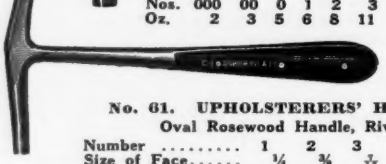
No. 225. MAGNETIC TACK HAMMER

Forged Steel—Polished Head—Hickory Handle. Length of Head, 3½ in. Length of Handle, 11½ in. Dia. of face, ½ in. Magnetic end, ⅜ x ¼ in. Weight, 5 oz. each.



No. 57. RIVETING HAMMERS, WHITE HICKORY HANDLES

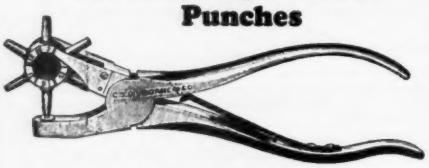
Nos.	000	00	0	1	2	3	4	5	6
Oz.	2	3	5	6	8	11	14	19	23



No. 61. UPHOLSTERERS' HAMMERS
Oval Rosewood Handle, Riveted

Number	1	2	3	4	5
Size of Face	¼	⅜	7/16	½	⅝ in.
Length of Head	5½	5⅞	6½	6¾	7 in.
Weight	14	14½	15	15½	16 oz.

Osborne High Grade Punches



No. 155. REVOLVING PUNCHES

Forged Steel. The best Revolving Punch made. Screw Tubes only. Polished complete. 4 Tube Punches made with tubes 3, 4, 5, 6. 6 Tube Punches made with tubes 1, 2, 3, 4, 5, 6.

ROUND AND OVAL PUNCHES

Drive Punches are forged from best grade of Tool Steel, carefully hardened and tempered. Made with taper clearance. Polished complete.

No. 149 Round Punches. Steel forged. Arch handle. Taper Clearance.

GROMMET SETTING DIES

Forged of a fine quality steel.

No. 216 for inserting Sheet Brass Washer and Teeth Grommets.

No. 216½ for Spur and Conical Point Grommets.

Our line includes a varied and attractive line for the hardware trade. Also Leather Workers; Trimmers', Upholsterers', and Plumbers' Tools of superior quality, which will please your customers as well as our famous Punches.

Remember, we have had 106 years of successful manufacturing experience, employ only skilled workmen, and use only the finest materials.

Write for Tool Catalog No. 70.

C. S. OSBORNE & CO.
P. O. Box 183 NEWARK, N. J.

VULCAN ELECTRIC HEATER CORPORATION

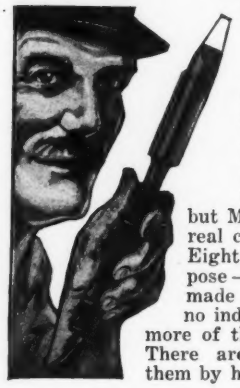
ENGINEERS DISTRIBUTORS DESIGNERS MANUFACTURERS

225 Varick Street, New York, N. Y.

TRADE VULCAN MARK REG. U.S. PAT. OFF.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

September 1, 1932
Superseding Previous Issues



"VULCAN" SOLDERING TOOLS—The New Self-Selling Models

This Complete New Line offers Greater and More Profitable Opportunities to the Alert Dealer and Salesman. These Quality Tools are Faster—Better—Less Costly, but More Efficient and Durable. A real challenge to the market. Eight sizes—"a size for every purpose—a need for every size"—made for a variety of voltages—no industry that cannot use one or more of these modern electric helpers. There are numerous concerns using them by hundreds.

They are the mature issue of a quarter century of electrical knowledge and shop experience with all kinds of soldering problems, dependable, lasting, made for the job. Current consumption is very low, the heat is continuous and ample. When properly selected, they will reliably do **perfect soldering.**

In construction they are sturdy. The Vulcan windings are hermetically sealed (giving protection against damage by flux fumes, oxidation, and water). The terminals are protected, cord strain relieved, tips are of purest hard forged copper—easily replaceable. The handles are adjustable and ventilated. The Vulcan is a beautiful, serviceable tool of long life. The selection of the expert—the pride of the amateur—**The Vulcan!**

DEALERS' VULCAN DISPLAY SELLING BOARD

One of these handsomely colored Boards **free** to every Dealer ordering one each of the 8 sizes of tools and 7 tips mounted on same (Nos. 30 and 40 tips are alike)—and **one extra of each of the four smallest tools** (Nos. 20, 30, 40 & 50) and **five smallest tips** (Nos. 20, 30, 40, 50 & 60) for a small stock, making a dozen lot.

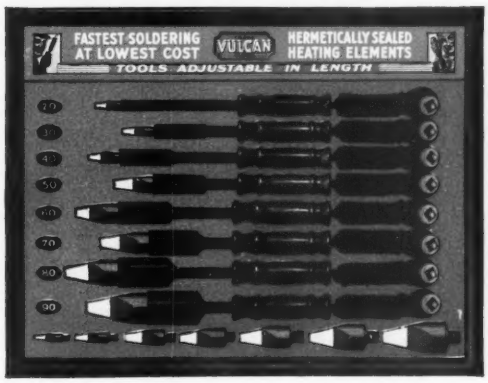
The **Vulcan** Selling Board, used as a window display, has proven very definite pulling power in bringing customers into the store—thus also creating sales of other merchandise.

The **User** can make his selection from this **Vulcan Board** at his Dealers.

Ingenious Secret Fasteners permit the **Dealer** to easily remove the tools for examination and sale.

The **Dealer** can show the full **Vulcan** Assortment of 8 sizes to his customers. Each size helps to sell the others. The complete assortment gets the business.

The more DISPLAY the more SALES



The **Vulcan** Construction is unique in the simplicity of its Service Requirements, consisting of **Five** complete replaceable parts:—a **Tip**, an **Hermetically Sealed Heating Head**, an adjustable ventilated **Handle**, a **Cord** and a **Plug**.
All that is necessary, in replacing a **Vulcan** Heating Head, is to transfer the Tip, Handle and Cord from the old heater to the new.
An adequate stock of complete tools and the replaceable parts makes it possible for the **Dealer** to give complete **Local Vulcan Service** over the counter. Its just Selling Goods—that's all!

NET PRICE LIST OF COMPLETE VULCAN TOOLS AND PARTS—F.O.B. FACTORY, NEW YORK, N. Y.

Code No.	Watts	Equal to Old Style Copper	Length	Net Wt.	Tip Dia.	Some of the Uses	Price Comp.	Extra Tip	Heating Head	Handle	Cord & Plug
20	50	1 lb. per pr.	Adjustable	10 oz.	7/16"	Finest instruments, smallest fuses, light telephone repairs, radio and all very light soldering. (Supersedes former No. 600).	$5.00	30c	$3.55	40c	65c
30	60	1½ lbs. per pr.	Adjustable	12 oz.	½"	Radio and Home Use, fuses, instruments, inspectors' or linemen's tool kits, etc. (Supersedes former Nos. 100 & 700)	6.25	40c Alike	4.70	40c	65c
40	90	2½ lbs. per pr.	Adjustable	13½ oz.	½"	Telephone switchboards, electrical instruments, light manufacturing, fuses and radio apparatus. (New high speed tool)	7.00	40c Alike	5.45	40c	65c
50	130	3½ lbs. per pr.	Adjustable	18 oz.	⅞"	Fast telephone work, art glass, light automobile repairs, light tinware and general home use. (Supersedes former Nos. 200 & 500)	8.00	65c	6.20	40c	65c
60	175	4½ lbs. per pr.	Adjustable	22 oz.	1"	Light automobile repairs, light tinware, general utility and home use. (New high-speed tool)	9.25	90c	6.95	65c	65c
70	220	6 lbs. per pr.	Adjustable	28 oz.	1⅛"	Medium tinware, general manufacturing, metal patterns, automobile work, etc. (Supersedes former No. 300)	10.75	1.20	8.15	65c	65c
80	310	7½ lbs. per pr.	Adjustable	37½ oz.	1⅜"	Heavy tinware, sheet steel and galv. iron, metal boats, refrigerators, automobile radiators, roofing, etc. (Supersedes former No. 400)	12.50	1.60	9.50	65c	65c
90	430	10 lbs. per pr.	Adjustable	50½ oz.	1⅝"	Automobile radiators, copper sinks, roofs, leaders, heavy metal patterns and all heavy soldering. (Supersedes former No. 800)	14.50	2.10	11.00	65c	65c

The No. 20 is a new super power tool. For No. 10 see other side of sheet.

GENERAL INFORMATION: The "Vulcan" Tools are equipped with 6 foot flexible cords and separable attachment plugs and can be connected to any lighting socket. They will operate with identical results on either A. C. or D. C. current and are wound for standard voltages of 32, 100, 105, 110, 115, 120, 125, 200, 210, 220, 230, 240 and 250 volts. An extra charge of $1.00 is made for special voltages. Each tip is accurately machined with a bevel which exactly fits the corresponding bevel in the end of the heater, providing a valve seat joint of exceptional efficiency in the conduction of heat and also, by sealing the chamber into which the tip screws, protecting the surfaces thus enclosed from corrosion.

IMPORTANT → ALWAYS SPECIFY VOLTAGE WHEN ORDERING ← IMPORTANT

Printed in U. S. A.

(OVER)

The above is a facsimile of the VULCAN three-color Loose Leaf Price Book Sheets. Send for your requirements of them for your Salesmen's loose leaf price binders and other uses.

Better tools at lower prices, that completely meet the most exacting present day demands. An exceptional opportunity to increase your sales and profits.

Don't Delay!—Send in your order for the complete DISPLAY OUTFIT, only $133.60 List Price, logical TRADE DISCOUNTS. Envelope stuffers free.

To Jobbers and Dealers

VULCAN ELECTRIC HEATER CORPORATION

ENGINEERS DISTRIBUTORS DESIGNERS MANUFACTURERS

225 Varick Street, New York, N. Y.

TRADE VULCAN MARK REG. U.S. PAT. OFF.

Vulcans Give Satisfaction
The Best Value Per Dollar

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

September 1, 1932
Superseding Previous Issues

DEALERS' NO. 10 COUNTER DISPLAY PACKAGE

THE VULCAN NO. 10 delivers CONSTANT AMPLE HEAT for Perfect Light Soldering

While designed for light work and popularly priced, the **Vulcan** No. 10 is strictly a quality product. Its construction is characteristic of all **Vulcan** Tools, including Hermetically Sealed winding, replaceable Tip and adjustable ventilated handle by which the tool can be lengthened or shortened at will. It operates at lowest cost, using only 44 watts.

In no soldering is there greater necessity for reliability than in Radio connections in which the slightest defect often causes complete failure in operation.

No modern home complete without this little Wonder Worker.

In Colors as Shown

Contains Six No. 10

DIMENSIONS and PRICES

Cat. No.	Watts	Equal to Old Style Copper	Length	Net Wt.	Dia. of Tip
10	44	1 lb. per pr.	Adjustable	10 oz.	7/16"

Price, complete	$ 3.75
Extra Tip	.30
Heating Head and Tip	2.60
Heating Head Only	2.30
Handle	.40
Cord and Plug	.65

VULCAN ELECTRIC CAN CAPPING TOOLS

Provided with a spring plunger to hold cap down while the solder sets. Send sample of can and cap, as tool must be made to order to fit them.

No. 82
310 Watts
Price $17.50

No. 92
430 Watts
Price $20.00

The No. 70 soldering tool is recommended for "tipping" (closing vent holes) with the tip filed to a point.

VULCAN ELECTRIC CORDLESS SOLDERING TOOLS

Same as Nos. 20, 30, 40 and 50 Tools, but with contact rings instead of cord.

Code No.	Price Comp.	Extra Tip	Heating Head	Handle
21	5.00	30c	4.30	40c
31	6.25	40c	5.45	40c
41	7.00	40c	6.20	40c
51	8.00	65c	6.95	40c

VULCAN CORDLESS TOOL STANDS
(Wired through base to contact springs)

No. 2001—To hold any two of above tools.....$6.75

VULCAN SWITCHBOARD SOLDERING TOOL

No.22 **50 Watts** **Weight 13 oz.**

Same as No. 20, except that it is made 24 in. long for convenience in reaching the full depth of the wiring in very large multiple switchboards.

Price: Complete Tool.....$8.50 Extra Tip .....$ .30
Heating Head..... 7.05 Handle ..... .40
Cord and Plug $ .65

VULCAN SOLDERING TOOL HOLDER

Holds and guards soldering tool when not in use. Rubber feet are provided so that it will not mar or scratch a highly polished surface.

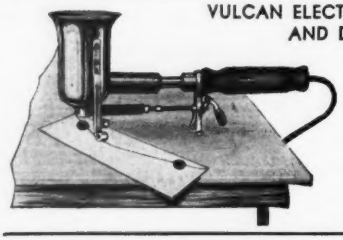
No. 2100.....Price $4.00

VULCAN ELECTRIC BRANDING APPLIANCES

For years these efficient Branding Tools have demonstrated their value for identifying property and advertising merchandise. This is proved by the class of manufacturers using **Vulcan** branders and the reputation of their products. The applications include brands used by Governments, Municipalities, Railroads, Steamship Companies, Agriculturists, Private Individuals, etc., in identifying property; also names and trade marks of the makers of an endless variety of manufactured goods.

(Send for Brander Questionnaire)
Prices on Application

VULCAN ELECTRIC WAX MELTER AND DROPPER



For sealing packages and letters.

Type No. 8000

120 Watts

Price $27.50

RHEOSTATS

Provide more flexible and accurate temperature control in the use of **Vulcan** Electric Soldering Tools and protect them when not actually delivering their working heat by preventing the unused heat from storing up. Save the expense of wasted current. Protect the "tinning" from burning off the tip and prolong the life of the winding. Maintain the exact degree of temperature required for Perfect **Soldering on any particular** job.

For Tools Numbered:	Price
10, 20 and 30	$ 8.50
40 and 50	9.50
60, 70 and 80	10.50
90	12.00

Each Rheostat provided with 6-foot cord, plug and a socket for connecting the tool. State **Tool No.** and **Voltage** when ordering.

GENERAL INFORMATION: The "Vulcan" Tools are equipped with 6 foot flexible cords and separable attachment plugs and can be connected to any lighting socket. They will operate with identical results on either A. C. or D. C. current and are wound for standard voltages of 32, 100, 105, 110, 115, 120, 125, 200, 210, 220, 230, 240 and 250 volts. An extra charge of $1.00 is made for special voltages. Each tip is accurately machined with a bevel which exactly fits the corresponding bevel in the end of the heater, providing a valve seat joint of exceptional efficiency in the conduction of heat and also, by sealing the chamber into which the tip screws, protecting the surfaces thus enclosed from corrosion.

IMPORTANT → ALWAYS SPECIFY VOLTAGE WHEN ORDERING ← IMPORTANT

Printed in U. S. A.

(OVER)

Testimonials

From an R. C. A. Engineer:
"This iron has been in service for approximately eight years."—S. W. G.

From Canadian Fairbanks Morse Co.:
"Have been using these irons for the last five years and have had wonderful success."—G. F.

From Telephone Company:
"This VULCAN Iron was purchased from Stewart & Fuller and has been used thirteen years."—A. P. H.

From Prominent Hospital:
"I have a VULCAN Electric Soldering Iron that I have had for about nine years and got a lot of use out of it."—A. J. A.

From a Dealer:
"Since putting up a new display board on VULCAN Soldering Irons we have sold more soldering irons than ever before."—Union Electric Supply Co.

A Line of Abrasives that is Complete

The Is Made by

CARBORUNDUM

Reg. U. S. Pat. Off.

Company

CARBORUNDUM AND ALOXITE BRAND GRINDING WHEELS in all necessary grits, in sizes up to 12 inch diameter, for the shop, garage or home. Supplied on attractive display panels, in individual cartons or bulk.

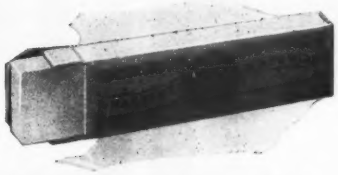
The old reliable CARBORUNDUM AND ALOXITE BRAND COMBINATION STONES in all standard sizes for the carpenter, craftsman, for every man who uses edge tools.

The famed CARBORUNDUM BRAND NO. 57 FILE. Sharpens mower section knives, edges every farm or garden tool that needs an edge.

CARBORUNDUM BRAND KNIFE SHARPENERS—The NO. 66 specially designed for sharpening stainless steel cutlery—the NO. 76 and the NO. 78 shaped like the ordinary steel for giving a quicker, better edge on all household knives.

Grinding Wheels, Sharpening Stones, Coated Abrasives, Razor Hones, Scythe Stones, Valve Grinding Compounds — every possible abrasive tool or commodity for shop, home or farm made by "Carborundum" for the hardware trade. And here are a few of the standard best sellers.

CARBORUNDUM AND ALOXITE BRAND SCYTHE STONES—faster cutting, longer lived. Put up in displays or in bulk.



CARBORUNDUM BRAND POCKET STONES—the handy little stones for putting a keen edge on pocket cutlery or any other small edge tools.

THE CARBORUNDUM BRAND NO. 46 HOUSE AND GARDEN TOOL SHARPENER—it sharpens lawn mower knives—puts an edge on hoes, spades, grass shears, any home or garden tool. Another great seller.

CARBORUNDUM BRAND VALVE GRINDING COMPOUND. Sell it to the garage trade. Does a better, quicker job of valve grinding.

And remember that CARBORUNDUM BRAND PRODUCTS are known the world over in every trade—in every industry.
Send today for our latest complete catalog giving full information regarding the complete "Carborundum" line of abrasive products.

THE CARBORUNDUM COMPANY, Niagara Falls, N. Y.

CANADIAN CARBORUNDUM CO., LTD., NIAGARA FALLS, ONT.

Sales Offices and Warehouses in New York - Chicago - Boston - Philadelphia - Cleveland - Detroit - Cincinnati - Pittsburgh - Milwaukee Grand Rapids - Toronto, Ont.

The Carborundum Co., Ltd., Manchester, England Deutsche Carborundum Werke, Reisholz bei Dusseldorf, Germany

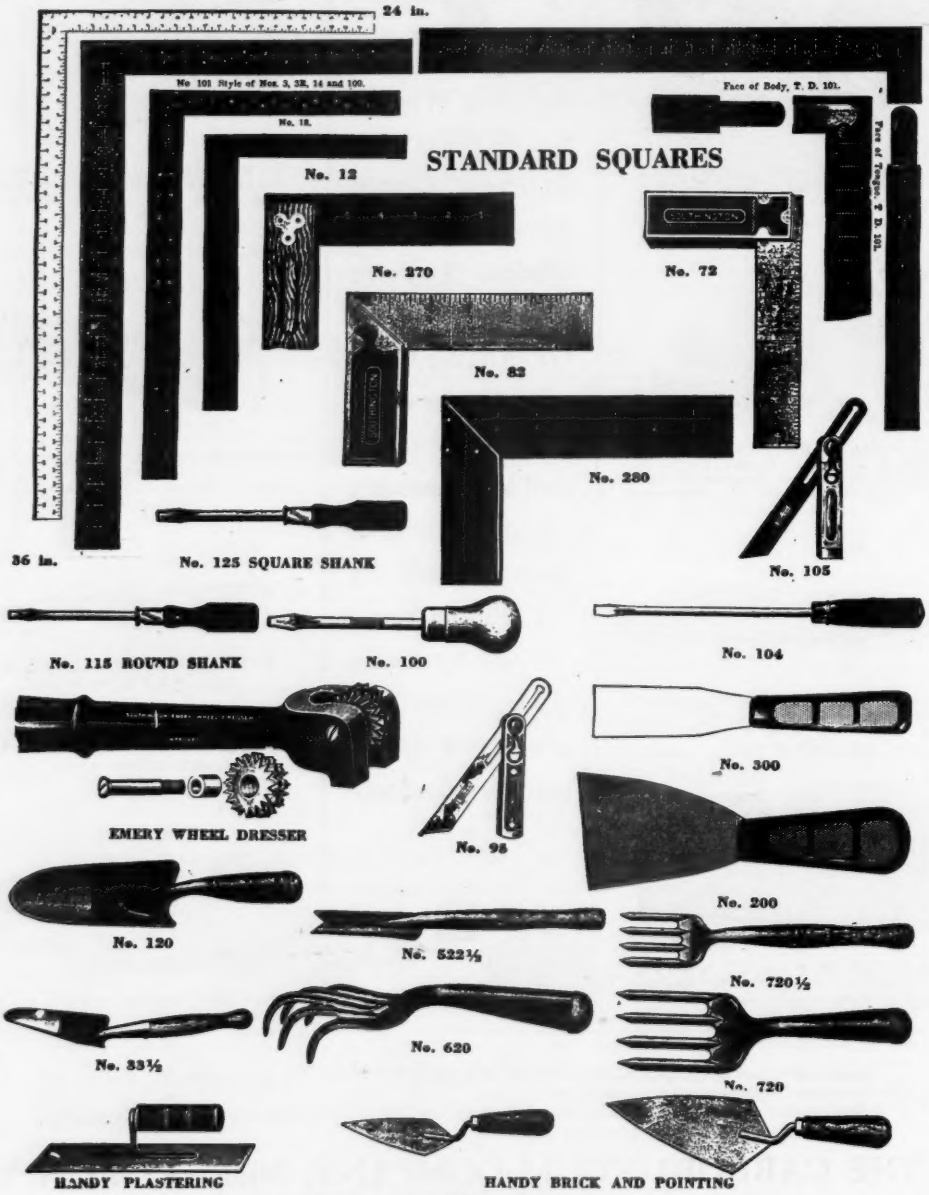
(CARBORUNDUM IS A REGISTERED TRADE MARK OF THE CARBORUNDUM COMPANY)

1867—65 Years—1932

SOUTHINGTON HARDWARE

HOUSEHOLD HARDWARE, TOOLS and WOOD SCREWS

IRON, BRASS and BRONZE WOOD SCREWS
All Styles, Sizes and Finishes—Large Stock



These and Many Others

Manufactured by

THE SOUTHINGTON HARDWARE COMPANY, Southington, Conn.

THE RECOGNIZED SUPPLY SOURCE

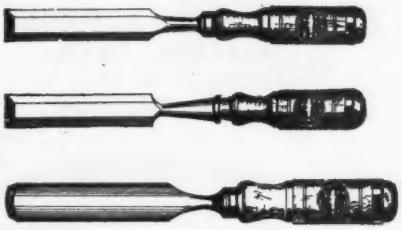
FOR QUALITY BRANDS OF

GENUINE SWEDISH TOOLS

BERG'S

TRADE MARK

Shark Brand Tools are well known for Quality—Durability—Strength

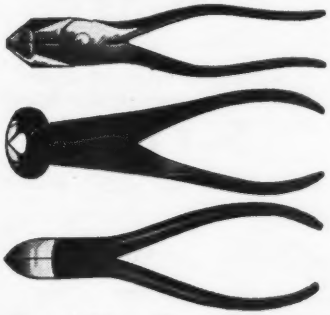


Chisels, Gouges, Plane Irons, Shoe Knives, Sloyd Knives, Wood Carving Knives, Burnishers, etc.

E. A. BERG PLIERS

Eskilstuna

Makers of the Original "Swede" Diagonal Nipper



Complete line of Pliers, Nippers, Pincers and Linemen's Pliers.

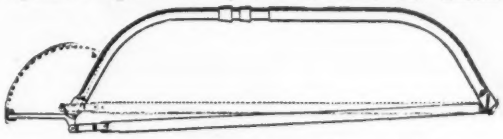
SANDVIK SAWS

"Fish & Hook" Brand

Universally acknowledged as the fastest cutting and most durable saws on the market.

Sandvik Hand Saw No. 270

Special Pulpwood Saws, Web and Buck Saw Blades



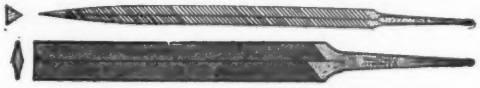
Steel Bow Frames for Pulpwood Saws
Adjustable for 36" to 48" blades.

Send for complete catalog of Sandvik Cross Cut and One Man Saws, Circular Saws, Band Saws, etc.

OBERG FILES

C.O.ÖBERG&Co.
ESKILSTUNA

Make work easy and leave an exceptionally smooth surface.



Full line of all types and sizes.

These *Quality Brands* of Tools are all made of the world renowned Swedish Charcoal Steel, which is unsurpassed in the manufacture of edge tools and cutting tools of all kinds.

Stocked by Leading Jobbers, or write to us for catalogs.

We are also the sole distributors for "BANKO" Scythes, SATER-BANCO Axes, "PRIMUS" Camp Stoves and Blow Torches, "VERITAS" Emery Wheel Dressers, "Heljestrand" Razors, Cabinet Scrapers, Auger Bits, etc.

FACTORY SALES OFFICE:

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SAW & TOOL CORPORATION

740 North Washington Ave., Minneapolis, Minn.
Eastern Branch: 109 Lafayette St., New York
Western Branch: 2406 First Ave., So., Seattle, Wash.

Sole Agents for Canada

SANDVIK CANADIAN LTD.

410 St. Nicholas Street, Montreal, P. Q.

"Jorgensen" TRADE MARK REG U S PAT OFF

Peerless Adjustable Handscrews

Holman TRADE MARK Style 400

Steel Bar Clamps

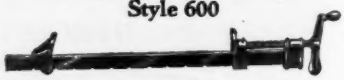
Multiple Disc Clutch—The greatest time saving clamp.

Clutch grips bar automatically at any point against any pressure of the screw. Easily released.

"Pony" Style 500

A rapid action clamp built on ¾" black pipe.

Spring Steel Bar Clamps Style 600



A popular notched bar design.

Our line includes: Handscrews, Steel Bar Clamps, Wood Clamps, Clamp Fixtures, "MARK" Carriage Clamps, etc. Ask for Complete Catalogue.

ADJUSTABLE CLAMP CO., 411 N. Ashland Ave., Chicago, Ill.

TRADE T. H. WITHERBY WARRANTED MARK

CARPENTERS' EDGED TOOLS
COMPASSES & DIVIDERS
WORLD'S STANDARD

WITHERBY—PERFECT—TEMPER

Established 1827

THE WINSTED EDGE TOOL WORKS
Winsted, Conn.

WINSTED MANUFACTURING CO.
WINSTED, CONN.
Incorporated 1835

SCYTHES—GRASS HOOKS
GRASS SICKLES
CORN KNIVES—CORN HOOKS
DANDELION & ASPARAGUS KNIVES

Manufacturers of

Columbia—Crown Jewel
Red, White and Blue—Eureka

SCYTHES

WIMANCO { SOLID STEEL ONE PIECE } SCYTHES

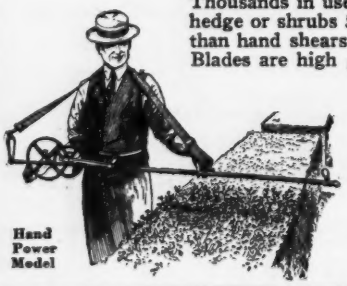
All Scythes Warranted

"LITTLE WONDER" HEDGE TRIMMERS

Hand Power and Electrically Driven

A proven success for 12 years. Thousands in use. Trims any shape hedge or shrubs 5 to 10 times faster than hand shears. Easy to operate. Blades are high grade steel.

Frame of duralumin. Long cutting bar produces smooth, velvet-like finish clear across hedge in one cut. A model and size to meet every requirement.



Hand Power Model

Hand models in 3 sizes with 30, 40 and 60-in blades. Electric models with 27, 36 and 60-in. blades. Can also be had with lawn clipper attachment making the tool doubly valuable. Send for folder and trade prices on complete line of hedge trimmers.

DETCO MFG. CO.
Oaks Pa.

Electric Power Model

Wall "Dreadnaught" Furnaces and Torches

Nos. 41 and 42 Blow Torches

The latest development in DREADNAUGHT "Service with Safety" Blow Torches, drawn steel tank, only three openings—filler plug, pump and supply pipe connections, flanged on inside and brazed. Angle handle is restful to operator.

Burner is made from extra heavy seamless steel tubing with casting around coil giving the exceptional heat for which this torch is noted. Automatic cleaning needle in valve stem cleans burner orifice every time valve is closed, is easily removable.

Cat. No.	Description	Tank Capacity, Quart	Shipping Weight per Dozen Lbs.	List Price Each	List Price Dozen
41	For gasoline	1	62	$7.00	$84.00
42	For kerosene	1	62	8.00	96.00

No. 55 Furnace

New Plumbers Furnace built to meet the demand for a low price furnace employing SERVICE with SAFETY principles. Specially designed burner of DREADNAUGHT type for fast preheating and generating purposes. Permanent wire bail with wood grip and one piece pressed steel hood. Drip cup combined with overflow saucer. Wide base and minimum height. *Burns gasoline only.*

Cat. No.	Tank Capacity Gal.	Height Without Hood	Maximum Hood Diameter	Maximum Tank Diameter	Shipping Weight Each, Pounds	List Price, Each
55	1	12"	7½"	9"	10	$20.00

No. 51 Furnace

A general utility furnace of rugged construction for all purposes, inside and outdoors, and used as standard by many large companies on general maintenance work. Also used by plumbers where a large capacity furnace is needed. Permanent wire bail and one piece pressed steel hood. Melts 40 lbs. solder in 10 minutes. *Made for kerosene or gasoline use. State fuel to be used.*

Cat. No.	Tank Capacity Gal.	Height Without Hood	Maximum Hood Diameter	Maximum Tank Diameter	Shipping Weight Each, Pounds	List Price, Each
51	1	14"	7½"	9"	12½	$30.00

Nos. 31 and 38 Blow Torches

Dependable general utility torches which meet every requirement of usual torch service. Burner is of brass casting type readily heated and equipped with soldering iron rest. Seamless brass pump shell held in forged pump housing, with pump plunger that can be easily removed. Flared base tank and angle handle.

Cat. No.	Tank Capacity	Shipping Wt. Lbs. Per Doz.	List Price Each	List Price Dozen
31	1 qt.	55	$5.00	$60.00
38	1 pt.	50	5.00	60.00

Flat Tank Blow Torch

A compact and convenient torch for the tool kit, manufactured to DREADNAUGHT standards with drawn steel tank and brazed bottom. Handle with wood grip welded to body at correct angle. Seamless brass pump of same construction as on the larger DREADNAUGHTS. Burner is of seamless steel tubing type with special casting around the coil, and equipped with automatic cleaning needle in valve stem. An ideal electrician's torch, perfectly balanced and economical to operate.

Cat. No.	Descriptions	Tank Cap.	Overall Dimensions Height	Width	Length	List Price Each	Doz.
91	Gasoline	1 pt.	8¼"	2⅜"	9"	$7.00	$84.00
92	Kerosene	1 pt.	8¼"	2⅜"	9"	8.00	96.00

Wall "Superior" Welded Steel Bench Oilers

Wall "Superior" Welded Steel Spring Bottom Oilers combine the features most essential to an article of this nature—Quality—Appearance—Minimum Cost. They are manufactured from finest steel, bottoms welded to bodies, brass collars riveted to body; spouts welded and riveted into solid brass machined bushings.

SPECIFICATIONS

Cat. No.	Cap. Pints	Body Diam. Ins.	*Spout Length Ins.	Shipping Wt. Lbs. Per Doz.	List Price Doz.
2204	½	3⅛	4	3¾	$5.00
2206	½	3⅛	6	4	5.50
2209	½	3⅛	9	4½	6.00
3304	½	3¾	4	4¾	6.00
3306	½	3¾	6	5	6.50
3309	½	3¾	9	5½	7.00
5504	1	4⅛	4	6	8.00
5506	1	4⅛	6	6¼	8.50
5509	1	4⅛	9	6¾	9.00
5512	1	4⅛	12	7	9.00

All sizes packed one dozen in a box
*6-in. spouts and longer are furnished bent, unless otherwise specified

SINCE 1864

P. WALL MANUFACTURING SUPPLY CO.

WALL SUPERIOR ICE CANS
BRAZED STEEL "DREADNAUGHT" SERVICE WITH SAFETY
BLOW TORCHES AND FURNACES AND STEEL SPECIALTIES

3126 to 3166 PREBLE AVENUE **NORTH SIDE PITTSBURGH, PA.**

"Cleveland" Grindstones

Standard for 86 years. Best known—always satisfactory—easiest to sell. Handled profitably by more jobbers and retailers than any other line of grindstones.

The STERLING Grindstone—

Sterling

For farmers, mechanics, home owners. Genuine BEREA grit stone; double-treadle frame of 1-1/16" and 1-¼" heavy steel tubing, encased ball-bearings, comfortable saddle; clothes protector. Stone 19" x 22" diam., 1¾" to 2¼" thick. Wgt. complete about 100 lbs. Shipped K.D. crated. No loose parts. Frame folds intact.

Norka Ball Bearing Grindstone

Strong, double-treadle grindstone for general use. Tubular steel frame enameled a rich Vermilion. Detachable shaft of cold rolled steel. BEREA grit stone 19" to 22" diam., 1¾" to 2¼" thick. Large comfortable seat; clothes protector and foot rests. Shipped K.D. crated, frame folded. Complete weight about 105 lbs.

NORKA For Foot Power Use

THE CLEVELAND QUARRIES COMPANY
Cleveland Ohio

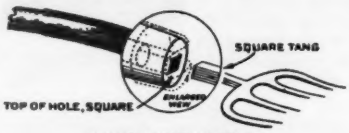
28 West Broadway, New York
Lombard & Co., Inc. Boston, Mass.
New England Agency

STURDE STEEL D HANDLE

Type E is light in weight, meets all practical requirements for strength and gives perfect balance to the tool. Its roomy 4 in. opening gives real hand comfort. The new positive grip lock in connection with the rivet being offset and the tapered cup-shaped discs result in the grip being locked firmly in position. Handles of finest selected white Ash, waxed finish, top painted bright red. Demand this handle on your tools. Specify it for replacement handles.

We Manufacture All Standard Patterns and Bends

STURDE Square Hole Handle



SQUARE HOLE HANDLE

The square hole makes it impossible to drive the fork in crooked. As easy as driving a nail. Made of selected Northern White Ash. Ferrule rolled into wood. Wax finished.

WRITE FOR PRICES

COLUMBUS HANDLE & TOOL CORPORATION
Established 1891 Columbus, Indiana

FORSTNER Labor Saving AUGER BIT

Bores Any Arc of a Circle

Many New Uses

The Forstner Auger Bit, unlike other bits, is guided by its circular rim instead of its center, consequently it will bore any arc of a circle, and can be guided in any direction regardless of grain or knots, leaving a true polished surface. Takes the place of a chisel, gouge, scroll-saw, or lathe tool combined. For core boxes, fine and delicate patterns, veneers, screen work, scalloping, fancy scroll twist columns, newels, ribbon molding and mortising.

Send for Catalogue.

The PROGRESSIVE MFG. CO.
TORRINGTON, CONN.

The New 10 Ounce PEERLESS HANDCUFF

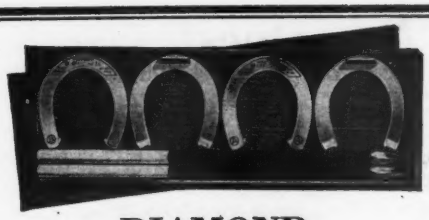
(Nickel or Blued Finish)

U. S. Patent Numbers 1157185, 1161562, 1531451
Patents Pending

Weighs only 10 ounces, even stronger by tensile strength test than former model. Has practically non-pickable lock. The two halves of the handcuff are connected by two links. These combined features make a very light-weight, flexible handcuff that can be easily folded and carried in either vest or hip pocket. Positively cannot become locked in pocket and is always ready for use.

Write for Folder and Prices.

PEERLESS HANDCUFF COMPANY
Springfield, Mass.

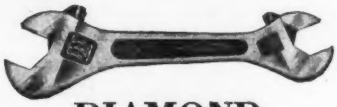


DIAMOND
Pitching Horseshoes

Diamond Pitching Horseshoes conform exactly to all requirements of the National Horseshoe Pitchers Association. Will not chip or break. Painted white, aluminum or bronze and lettered A & B. Furnished in pairs in carboard boxes or outfits shown above—four shoes and two stakes in sturdy wooden boxes. Also a complete line of accessories.

DIAMOND
Staple Pullers

Diamond Staple Pullers are all-around fence tools—for splicing, hammering, wire cutting, wire stretching and staple pulling. Will stand severe strain. Finished in gun metal, smooth or knurled handle, highly polished head.



DIAMOND
Wrenches

Diamond adjustable wrenches are drop forged from finest tool steel—scientifically hardened—will not chip or break. Jaws grip like a vise. Made single or double end.

The new Diamalloy is made of a newly developed alloy steel of unusual strength. The wrench is ⅓ thinner than the standard, yet tougher and stronger.

DIAMOND
Pliers

Diamond Pliers are made in three standard patterns and two thin nose (straight and bent). All of high grade tool steel. Slip joint, handy grip. Jaws that hold like a vise. Will withstand years of strenuous service. Look for the Diamond on every pair.

DIAMOND CALK HORSESHOE CO.

4622 Grand Ave., Duluth, Minn.

SEYMOUR SMITH TOOLS

This condensed catalog will give you an excellent idea of the completeness of our line. Designs to meet every requirement.

A request will bring you complete catalog and details of sales plan.

SNAP-CUT—A better pruning shear—outcuts all others—all steel unbreakable, chrome finish. The only nationally advertised pruning shear. Write for details.

GRASS SHEARS
The Handy

No. 117. Cuts grass effectively in a natural position of the hand. Does not tire the user. Length over all 13 inches with 6 inch blade. Made in three styles.

LOPPING SHEARS

No. 45 Reckdale. Forged tool steel, tempered blade. The popular model. 22" and 30" Ash handles.

No. 25 Ezy Cut. Very powerful. Tempered tool steel forgings. 22" and 30" best Ash handles. Well finished.

PRUNING SHEARS

No. 39 Wheel Spring Pattern. Hardened steel blade. Malleable iron handles. With Ratchet or Plain Nut. Black or Polished Handles.

No. 30 California Pattern. High grade shear. Malleable iron handles with tool steel blades riveted. Black or polished handles. With Ratchet or Plain Nut. 6, 9 in. sizes.

No. 290 Swiss Pattern. Double brass springs insure easy action. High quality tool steel blade. Polished finish.

No. 150 A Full Forged Tool Steel Pruner at Popular Prices. Orange colored handles and polished head. Also made in other patterns and finishes. 9 inch.

No. 172 Vineyard Pattern. Malleable iron handles. Tempered straw colored blade screwed to head. A very serviceable and handsome shear.

No. 230 California Pattern, with ratchet nut. Double Flat Brass Spring. Black or Polished Handles.

THE STANDARD TREE PRUNER

Best grade Fir pole with long steel strap on head. Tempered blade. With Lift Spring. 4, 6, 8, 10, 12, 14 and 16 ft. lengths.

Cattle Leaders

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Made from copper, aluminum or bronze. 17 different patterns. 3½" diam. to 2" dia. 7/16" to 9/32" stock. Self-piercing or Standard type. Smooth finish and high polish. The best made.

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HEDGE SHEARS

A complete high quality line made in attractive finishes and in several patterns. Tool steel blades, hard wood handles. 6, 7, 8, 9, 10 inch sizes.

THE TELEPHONE TREE PRUNERS

Malleable iron head with tempered steel blade. Standard equipment of telephone and electric companies. Made in two sizes—For 1" and 1½" limbs.

We furnish a jointed spruce pole for these pruners.

SEYMOUR SMITH & SON, INC., OAKVILLE, CONNECTICUT

Sales Representatives:

JOHN H. GRAHAM & CO., INC., 113 CHAMBERS ST., N. Y. C. — 268 MARKET ST., SAN FRANCISCO

The Original Horseshoe Magnet Hammers

ROBERTSON

"HORSESHOE MAGNET"

Trademark Reg. U.S. Pat. Off.

HAMMERS

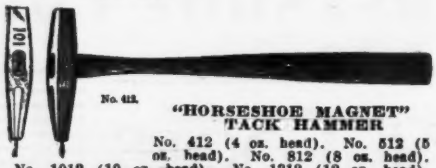
Fine steel forgings and strong permanent magnets. Superior tack hammers because of utility and the strength and lasting qualities of magnetism. Will hold a tack or small nail for driving anywhere within reach. Special shapes and sizes for all trades.

BILL POSTERS' OR ADVERTISERS' HAMMER

Nickel plated hammerheads and handle trimmings.

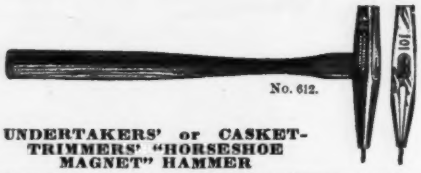
No. 502 5 oz. head 36 in. jointed handle (2-18 in. sections).
No. 503 5 oz. head 45 in. jointed handle (3-15 in. sections).
No. 802 8 oz. head 36 in. jointed handle (2-18 in. sections).
No. 803 8 oz. head 45 in. jointed handle (3-15 in. sections).

All equipped with springs on handle for holding card to set the first tack.



"HORSESHOE MAGNET" TACK HAMMER

No. 412 (4 oz. head). No. 512 (5 oz. head). No. 812 (8 oz. head). No. 1012 (10 oz. head). No. 1212 (12 oz. head). 12 inch handles. No. 412 bright finish. Other numbers nickel plated.



UNDERTAKERS' or CASKET-TRIMMERS' "HORSESHOE MAGNET" HAMMER

Magnet end shaped especially for using small tacks. No. 612. Head 5 oz., nickel plated. Handle 12 in.

UPHOLSTERERS' "HORSESHOE MAGNET" HAMMER

No. 712. Head 7 oz., nickel plated. Handle 12 in.

TRADE MARK

The Hammer Holds the Tack

Reg. U.S. Pat Off.

Send for Price List

ARTHUR R. ROBERTSON

SOLE MANUFACTURER

Owner of "Horseshoe Magnet" Trade Marks

596 Atlantic Ave. Boston, Mass.

2 New Ones!

Send for this free sample.

Rubyfluid

that old favorite soldering flux that has literally done millions of jobs better for 25 years is now made available in 2 additional forms.

Acid Core Solder

one of the new uses for Rubyfluid, was developed to meet an insistent demand for a core solder containing this popular flux. Here it is! You'll like it—it excels others, and the new

Paste

containing genuine Rubyfluid flux, will work where other pastes fail and without those objectionable fumes and corrosion. Cleaner, tighter and more lasting joints are now possible. *Get samples.*

THE RUBY CHEMICAL COMPANY

58 McDOWELL STREET COLUMBUS, OHIO

CASH SALES

Does your store attract them? Unmistakable signs indicate that business is returning. Hardware dealers in most states are already reporting increased trade.

It is predicted that this fall and winter will show a great improvement over recent months

—but—

Returning customers are going to be cautious—they will form new buying habits. Your chances for getting their business are no better than your merchandising methods.

Big stores are getting ready—are you?

Now is the time to make definite plans for increased *cash sales.*

Heller's experience in hardware store merchandising can be of valuable assistance to you. An inquiry involves no obligation.

This little booklet "The Story of Jim King" has inspired many a hardware man—have you read it? Free on request.

HELLER

Merchandising Systems

W. C. HELLER & CO.

700 Bryant St., Montpelier, Ohio

Sign in the margin, tear out ad and mail today. ↓ New York Office: 20 Vesey Street, Suite 406

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O. B. SAWS CO.

ALL TYPES

PRICED FOR TODAY

Back Saws
Buck Saws
Butcher Saws
Compass Saws
Cross Cut Saws (One Man)
Cross Cut Saws (Two Man)
Corn, Cane, Hedge Knives
Electricians Saws
Hand Saws
Ice Saws
Keyhole Saws
Metal Cutting Saws
Mitre Box Saws
Plumbers Saws
Pruning Saws
Rip Saws

Scrapers, Trowels, etc.

HIGHEST QUALITY

FULLY GUARANTEED

Band Saws (wood)
Band Saws (Metal)
Bits and Shanks
Circular Saws
Drag Saws
Groovers
Inserted Tooth Circular Saws
Mitre and Novelty Saws
Solid Tooth Circular Saws
Jointer Saws
Shingle Saws

THE OHLEN-BISHOP CO.
COLUMBUS, OHIO

American Logging Tool Co.

Evart, Michigan

FIFTY YEARS of filling the hand tool requirements of the lumbering trade means satisfied users. Our line includes the following:

Peavies
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Timber Carriers
Chain Hooks
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Carpenters Ripping Bars
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NEW

and perfected

6000 a year sold in Los Angeles
4000 in Boston

"90% of us carpenters use your tools and many others are following our example."
E. Sanderson, Harbor Springs, Mich., May 11, '32.

19 Best Styles and Sizes sold thru the 150 Leading Wholesalers

OUR PLEDGE

1—Greatest value and satisfaction thru 7 superior features.

2—Double profit per tool to you as compared with $1 tools.

3—Steel Handle and Sole Leather Washer Grip Guaranteed not to Loosen, Break or Splinter during the normal wear of the head.

4—Price cutters can't show anything like these tools.

LEAD AND PROFIT BY FEATURING
ESTWING UNBREAKABLE TOOLS

Ernest E.

ESTWING MFG. CO., Rockford, Ill.

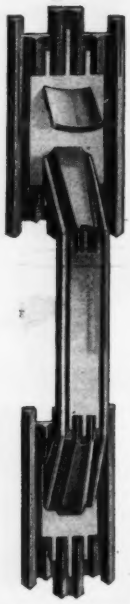
Lockwood

FINE BUILDERS' HARDWARE

We illustrate here a few representative items of Lockwood Builders' Hardware. Materials and workmanship are of the best, as the hardware trade has experienced over a long period of years.

Locks are made with meticulous care. They are sturdy in construction and offer the maximum in security. The trim is likewise made with precision and finished to meet the highest standards of quality. Lockwood Hardware Manufacturing Company, Fitchburg, Mass.

The Lockwood Line is a quality line.



Set No. T4023—Marcy Design, Entrance Door Handle

A new modernistic handle in cast brass or bronze. Many others to select from in the Lockwood line.

No. 5547—Drawer Pull, Wrought Steel, 3½ in.

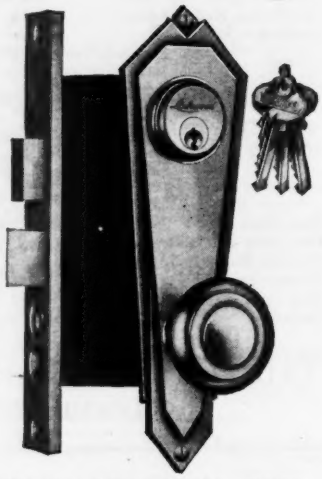
Also made in a 4-in. size and both sizes can be furnished in wrought brass or bronze. Other drawer pulls in cast or wrought metals.

No. 5522—Coat and Hat Hook

Cast Iron, plated, with 3-in. projection. Also made in cast brass or bronze.

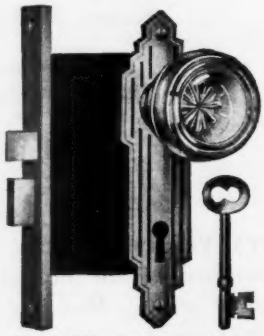
No. 2922—Sash Fastener

Cast Iron, plated, 2⅝". Can also be furnished in cast brass or bronze, and in heavy and extra heavy weight.



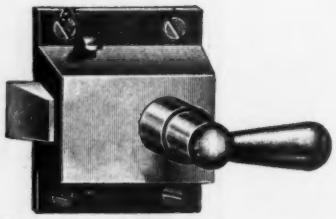
Set No. 1256—Drake Design Wrought Brass or Bronze

An attractive design in stock builders' hardware which will harmonize with the average small home.



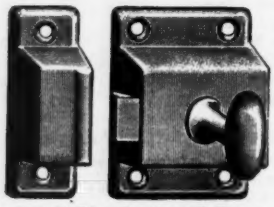
No. 2375—Azex Design, Wrought Brass or Bronze

An inside door door-set with glass knob. Also made with metal knobs and with escutcheons for other locks.



No. 4115—Screen Door Set

Cast iron case, bolt and lever, plated wrought steel knob and escutcheon, plated case 3¼ x 1⅞", lever 1⅝", escutcheon 4¼ x 1⅓", knob 1¾". Also made in brass or bronze.



No. 5174—Cupboard Turn

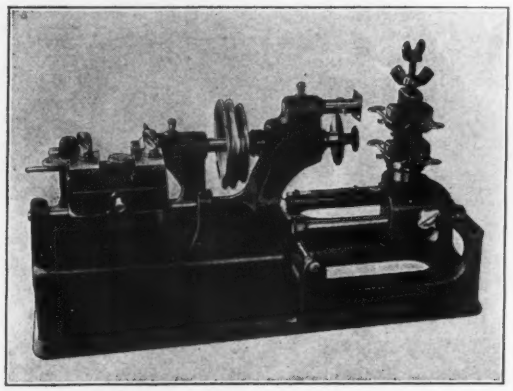
Wrought steel, cast knob, plated, 2 x 1½". Also made in a smaller size and in wrought brass or bronze metal. Just one of a complete line in cast or wrought materials.

DEPENDABLE ILCO PRODUCTS

The Black Knight cylinder padlock shown above is unquestionably the greatest value ever offered the hardware dealer. Can be master keyed or keyed alike. Numbers: 314—1½", 315—1¾", 316—2".

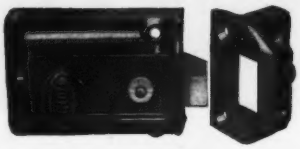
Minute Key Machine

Duplicates practically any type of key with but one setting in one minute's time. We are recognized as the leading source of supply for cylinder, flat steel and malleable iron keys and key blanks of but one grade—the finest.



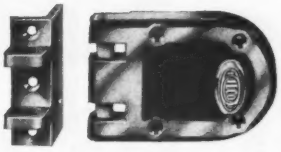
New Extruded Padlock

Machined from solid block of extruded brass. The utmost in durability, security and attractive appearance. Bolt is protected against picking through the key way. Numbers: 332—1½", 333—1½", 334—1¾", 335—2".



No. 218 Night Latch with pin tumbler cylinder and standard size case. Priced to stock and sell in volume without effort.

We would be glad to send on request our new catalog No. 10 describing our complete line of Cylinder Locks, Padlocks, Night Latches, Door Closers, Key Blanks, Hardware Specialties, Key Cutting Machines, Locksmiths' Supplies and Lock Accessories. The Ilco policy of dependable merchandise at reasonable prices is attracting more and more dealers who are looking for a source of supply from whom they can receive prompt service and maximum cooperation in the furnishing of merchandising assistance. Why not write us to have our salesman call next time he is in your vicinity?



No. 400 Jimmy-Proof Lock

Solid Bronze. Jimmy-Proof Rim Deadlock. A hardened steel plate prevents saw from cutting case or bolts.

Cabinet Locks

Attractive and fast selling locker, drawer, and cabinet locks.

Universal Door Closer

All the best design features combined with certain important improvements. Also a line of screen door closers.

Send for Our Complete Catalog

ILCO INDEPENDENT LOCK CO. ILCO

FITCHBURG, MASS., U. S. A.

BRANCHES

555 W. Randolph St., Chicago, Ill.
4 Warren St., New York City
2109 Cass Ave., Detroit, Mich.
523 Commerce St., Philadelphia, Pa.
121 2nd St., San Francisco, Cal.
406 Wall St., Los Angeles, Cal.
611 Eutaw St. Baltimore, Md.
207 A St., Boston, Mass.

Manufacturers of Cylinder Locks, Padlocks, Inside Door Sets, Glass Knob Sets, Key Blanks, Auto Switch Keys, Hardware Specialties, Key Machines, Door Closers, etc.

Key Blanks. We are considered specialists in this line and a standard source of supply for locksmiths and dealers. High grade material and careful workmanship are outstanding features of these products.

Cylinder, Flat Steel, and Malleable Iron Key Blanks.

HEADED AND THREADED PRODUCTS FOR EVERY NEED...

When wholesalers' and retailers' stocks need replenishing, it's a good thing to remember that the warehouse stock at Upson is complete. More than five thousand items are carried regularly, every item backed by Upson experience and of a quality that only a manufacturer of long standing can produce. An Upson Price List should be on your desk. Mailed upon request.

Carriage Bolts	*Plow Bolts*	*Tire Bolts*	*Turnbuckles*
Machine Bolts	*Step Bolts*	*Lag Screws*	*Belt Fasteners*
Stove Bolts	*Elevator Bolts*	*Wire Rope Clips*	*Large and Small Rivets*

Hot Pressed, Cold Pressed and Semi-finished Nuts and Washers

UPSON NUT DIVISION
REPUBLIC STEEL
CORPORATION
CLEVELAND, OHIO

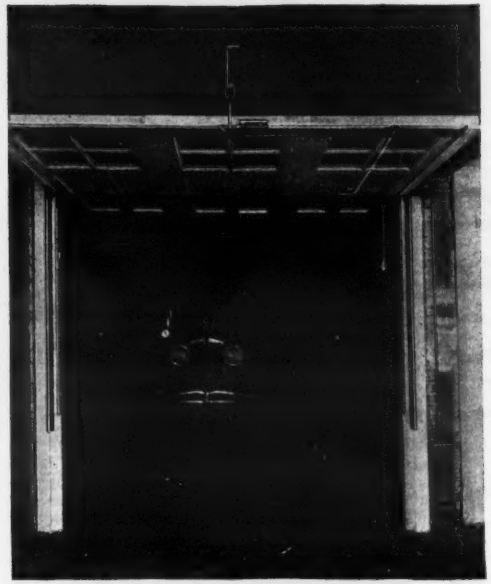
"FORTY-NINETY" HARDWARE

Car bumpers may be within three inches of the closed door. Extra depth of the garage is not required with "Forty-Ninety".

Headroom required is 7 inches. Space for weights is 10 inches. Weights may be placed on either the right or left side of opening as pulley fixtures are reversible.

Angle of door in opening will clear car top with space to spare.

When a space of 10 inches is not available on either jamb—sets are supplied with special pulley fixtures to carry weights in a rear corner or on rear wall. In such cases the distance from opening to point where weights will be installed must be specified.



Open door is entirely out of the way overhead. Stock doors in two, three or more sections or panels are bolted together to make a one piece unit with the angle brace bars supplied with the Hardware set.

Sets are supplied with extra fittings to provide Automatic Opening when wanted. A standard set for openings 8 feet wide by 8 feet high or smaller has list price of $37.50. Automatic Opener fixtures are $5.00 extra. "Forty-Ninety" is made in sizes to fit openings up to 16 feet wide by 12 feet high.

ALLITH also makes Hardware as shown in the following

- Accordion Door Hardware
- Airport Door Hardware
- Barn Door Hardware
- Fire Dept. Door Hardware
- Fire Door Hardware (Underwriters)
- House Door Hardware (Sliding)
- Industrial Door Hardware
- Round House Hardware
- Vertical Slide Door Hardware

- Garage Door Hardware
  - Folding-Sliding
  - Overhead Type
  - Round-the-Corner
  - Straight Sliding
- Heavy Type Door Hinges
- Overhead Carriers

- Rolling Ladders (Shelving)
- Malleables
  - Pitching Shoes
  - Stadium Seat Brackets
  - Washers
  - Castings to order

ALLITH-PROUTY COMPANY + + + **Danville, Illinois**

SASH CORD

The Hank That Eliminates Waste

SILVER LAKE SASH CORDS, carrying a **20-Year Guarantee,** have been mainly responsible for proving the wisdom of buying cord for the years of service offered rather than because of price. These cords are made from selected quality cotton, carefully spun and twisted, braided **hard, smooth, uniform,** inspected and guaranteed free from the imperfections which make common cords wear out so quickly.

Guaranteed Full Lengths

Reg. U. S. Pat. Off.

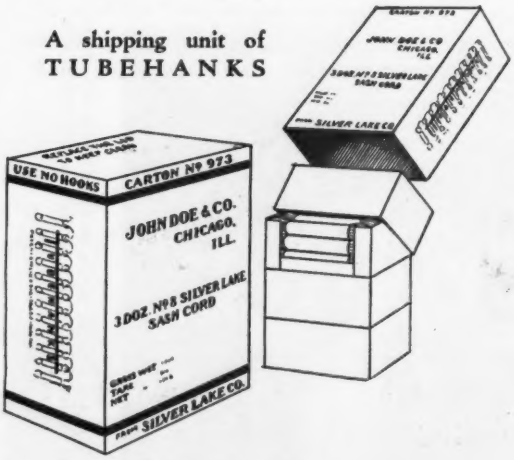
Guaranteed Net Weights

The following well known brands are also put up in TUBEHANKS

Sash Cords	Clothes Lines	Miscellaneous	
Eddystone	Silver Lake	Chalk Lines	Ventilator Cords
Pelham	Hardwear	Shade Cords	Trolley Cords
NuCord	Domestic	Masons' Lines	Railway Bell and
Bengal	Cherokee	Garden Lines	Signal Cords
	Garden City	Awning Lines	Braided Ropes

And Cords of Special Construction

A shipping unit of TUBEHANKS



Sash Cords

Packed 1 dozen
100′ TUBEHANKS
in a heavy corrugated
Display Carton

3 doz. in a case

Clothes Lines

Packed 1 dozen
50′ TUBEHANKS
in a cardboard
Display Carton

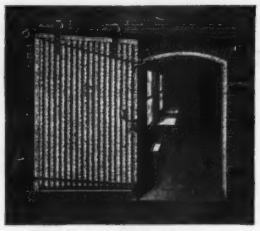
6 doz. in a case

SILVER LAKE COMPANY, Newtonville, Mass.

GARAGE DOOR HARDWARE

"Slidetite" made for openings from 8 to 30 ft. wide

"Slidaside" for rightangle doors. Other types for overhead and straight sliding doors



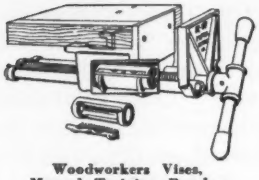
Fire Doors and Hardware. All styles and sizes

Complete line of loose and mounted grindstones

1880 FOR MORE THAN 50 YEARS 1932

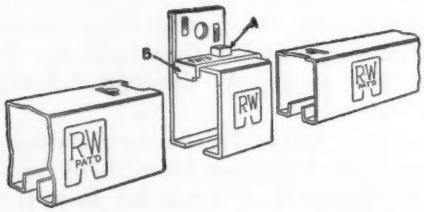
"A Hanger for any Door that Slides"

Gable Door Fixtures



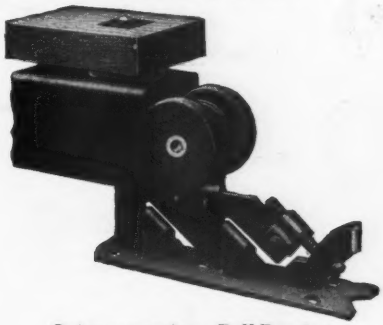
Woodworkers Vises, Manual Training Benches

Door Bolts, Locks and Latches

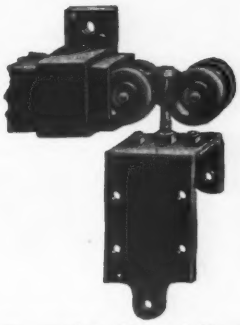


R-W Patented Lock Joint Trolley Track. Made in several sizes

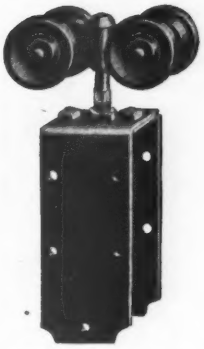
DOOR HANGERS



Quiet operating, Ball-Bearing Hangers for vanishing house doors



A complete line of Barn Door Hangers and Tracks



Heavy Hangers for Warehouses, Hangars, Piers, etc.

Richards-Wilcox Mfg. Co.

"A HANGER FOR ANY DOOR THAT SLIDES"

AURORA, ILLINOIS, U.S.A.

Branches: New York, Chicago Boston Philadelphia Cleveland Cincinnati Indianapolis St. Louis New Orleans Des Moines Minneapolis Kansas City Los Angeles San Francisco Omaha Seattle Detroit Atlanta Pittsburgh Milwaukee Richards-Wilcox Canadian Co., Ltd., London, Ont., Montreal, Winnipeg

W-C DEPENDABLE HARDWARE

The Industrial Hardware Items shown on this page, such as Turnbuckles, Hooks, Bolts, Chain Repair Links, Wire Rope Clips, Thimbles, Sockets, Contractors' Pumps, etc., are selected from our Line of "Dependable" Hardware.

An ample Stock Room containing over 10,000 bins enables us to carry large quantities of Finished Goods, either Self Colored, Blacked, Galvanized or in Plain or Polished Brass, and give prompt service. Long experience in manufacturing for the exacting Marine Field, where Quality is paramount, assures you of exceptionally "Dependable" Hardware.

Prices are competitive, and provide a good margin of profit for Jobbers and Dealers. A new field of profit for the Hardware Trade is also opened up by the Industrial Lamps and House Lights.

A copy of Heavy Hardware Catalogue "D", together with Discount Sheet, will be sent on request. If you have a call for Boat Hardware such as Anchors, Bilge Pumps, Cleats, Chocks, Compasses, Steering Wheels, etc., ask for Catalogue No. 1932 with Discount Sheet.

WILCOX, CRITTENDEN & CO., INC.
77 South Main St., Middletown, Conn.
ESTABLISHED 1847
Manufacturers of Marine and Industrial Hardware
Wire Rope Fittings
Signal Lanterns and Marine Lights

SAMSON CORDAGE WORKS

GENERAL OFFICES
89 BROAD ST.
BOSTON, MASS.

Trade Mark Reg. U. S. Pat. Off.

MILLS AT
SHIRLEY, MASS.,
and
ANNISTON, ALA.

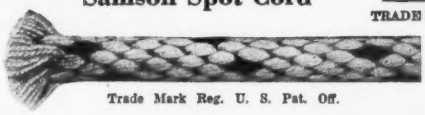
MANUFACTURERS of braided cord of all kinds, sizes, colors, and qualities, according to the service required. Sash cord, clothes line, solid braided rope, masons' lines, shade cord, awning lines, garden lines, marine cords, etc.; also glazed cotton twines. These brands, which have a long-established manufacturer's reputation behind them, save you from complaints and lost customers.

SASH CORD

According to the Service Required

TRADE MARK

Samson Spot Cord

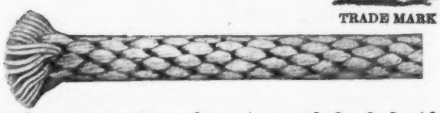


Trade Mark Reg. U. S. Pat. Off.

Made of fine plied yarn and guaranteed free from flaws. For use in the best class of work. Will last at least a generation and is the most durable material for hanging windows. Always identified by the colored spots, our trade mark. Sizes Nos. 6, 7, 8, 9, 10, 12. Put up in 100-ft. hanks, two connected; also coils, reels and tubes.

Phoenix Cord

TRADE MARK



Made of yarn not quite as fine. A smooth firmly braided cord, very serviceable for ordinary work, and for many purposes "good enough." Sizes 6, 7, 8, 9, 10, 12. Put up in 100-ft. hanks, two connected; also coils, reels and tubes.

Sachem Cord

TRADE MARK

Made of coarser yarn but not roving. A cord we are not ashamed to manufacture for use where first cost is the main consideration. Sizes Nos. 6, 7, 8, 9, 10, 12. Put up in 100-ft. hanks, two connected; also coils, reels and tubes.

SAMSON SMALL LINES

Shade and ventilator cord, masons' lines, garden lines, etc. Solid braided cotton; do not kink, stretch or ravel like twisted cord, and far more durable. White and drab with glazed finish. Sizes Nos. 3½, 4, 4½ in hanks 48 ft. each. Size No. 5 in hanks of 100 ft., two connected. All sizes also in coils 1,000 yds. each.

CLOTHES LINE

According to the Service Required

Tite-Rope

For use where the supports are far apart. Stretchless, shrinkless, stainless and strong. Weatherproofed. Guaranteed for five years. Put up in hanks 50 ft. each, several connected. Free display.

Black-Bird

For use where the supports are nearer together, as on clothes dryers; and where an extra flexible line is wanted. Smooth glazed finish. Sizes Nos. 6, 7, 8. Hanks 50, 75, 100 ft. each, several connected—also reels and tubes. Free display.

PHOENIX AWNING LINE

Specially braided to run over small pulleys. It will not ravel like common line—the ends do not require whipping. Sizes 9/64", 5/32", 3/16", 7/32" and ¼" diam. Put up on tubes—about 500 yds. each.

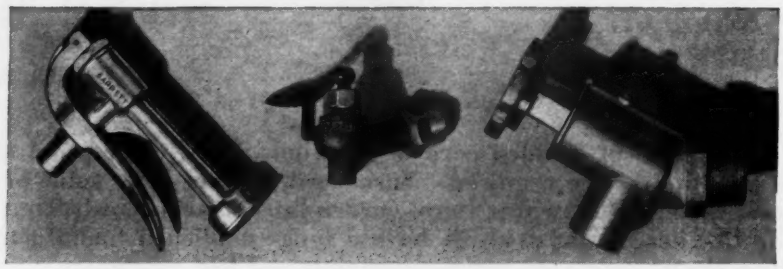
Samson Small Lines

Nashoba Glazed Cotton Twine

CATALOGS AND SAMPLES FREE

"There IS a Difference"

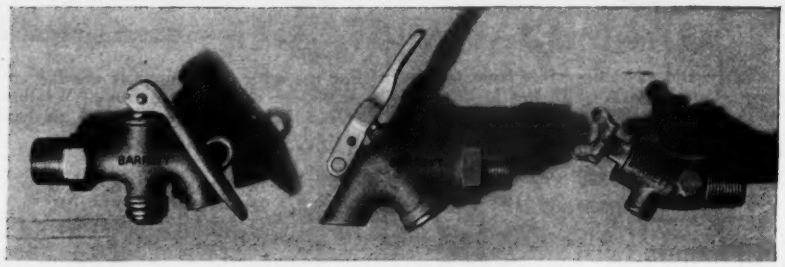
Cleaner...Faster-Flowing Faucets For the Delivery of All Liquids



The Barrett Radiator Fill Faucet replaces the old dirt-gathering watering-can method . . . prevents accidental splashing of automobile, occupants or attendant. Automatically shuts off water. Sturdily constructed for rough usage; rust-proof metal. Saves the hose because bending is no longer necessary. Has many other uses besides radiator filling because of its numerous features.

The Barrett Compression Lever-Lock Faucet is ideally suited to the filling of small containers. Only the motion of one finger swinging the handle is necessary to secure the desired flow of liquid or to shut off tight. Clean deep threads make for easy installation. Its long channel affords easy accessibility for all shapes of containers under it.

The Barrett "4-33" Heavy Duty Oil Barrel Faucet is built with large capacity for quick pouring of ordinary liquids as well as of extra heavy oils, gums, paints, syrups and other viscous liquids. Works smoothly, without sticking, and enables the user to guage exactly the desired amount of liquid. Exceptionally durable and made of special alloy that is wear-resisting and non-corroding.



The Barrett Ground Key Lever-Lock Faucet is a sturdy operator, build for long service. Gasoline, turpentine, alcohol or oil flows through its clear channel in a steady stream. A spring device maintains a constant, even pressure on the plug, eliminates leakage, and automatically takes up wear. Red brass construction throughout. Locking device.

The Barrett "77" Barrel Faucet is an achievement in faucet design. A self-closing spring type faucet, its tension is with the stream, instead of against it. Operation is easier . . . liquids flow faster. Leakage and drip are minimized. The "77" can be locked open or closed. Connects quickly and clears chime easily. A big seller to oil or kerosene users.

The Barrett "3-33" (¾") Barrel Faucet fills the need for quick action in the delivery of liquids from drums and barrels. Large knobbed finger grip prevents slipping. One twist of the wrist opens the faucet to a full stream or closes it tight. Die-cast with a tensile strength of forty thousand pounds. Drilled for convenient wiring inside the drum.

OUTSTANDING features are built into every Barrett Oil Specialty. Each faucet has been designed to do its job right . . . to give faster, cleaner service. Test after test by actual users show that the unusual construction of Barrett Oil Specialties provide easier operation and last longer, that they are ideal for the delivery of all types of liquids. Simple to operate . . . easy to install, they are the logical answer to your faucet problems and those of your customers.

Judge by a standard of service and you will find that Barrett Oil Specialties are invariably the outstanding products for their particular purpose!

The Cleveland Brass Manufacturing Company
4606-4700 Hamilton Ave. Cleveland, Ohio

BARRETT

Specialties for the Petroleum Marketer

"THE STANDARD OF COMPARISON"

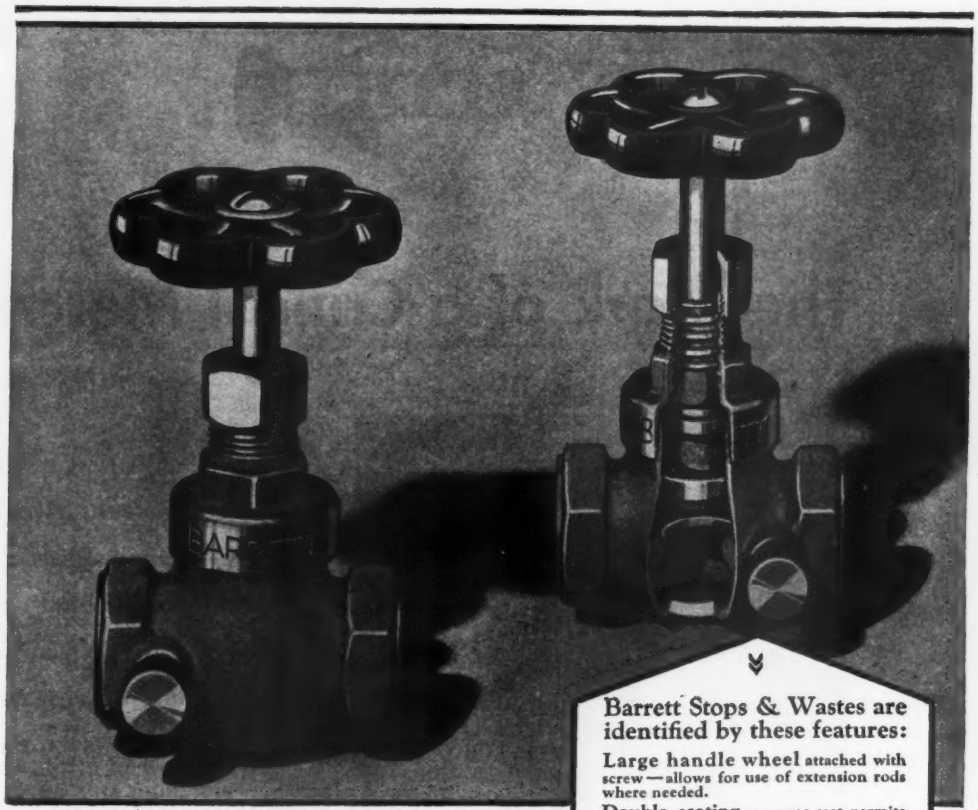
A Complete Line of ROUGH BRASS GOODS

GLOBE STOP

ANGLE STOP

ANGLE STOP AND WASTE

AUTOMATIC STOP AND WASTE



Barrett Stops & Wastes are identified by these features:

Large handle wheel attached with screw—allows for use of extension rods where needed.

Double seating — upper seat permits re-packing under pressure.

Off-center waste outlet—left or right—provides complete drainage in any position.

Lead plug in waste outlet prevents leakage, lasts longer and does not decompose.

Compression disc — non-swiveling—removes sediment from seat, insures full contact and complete shut-off.

Extra large waterway in all sizes.

Cast red brass construction for highest tensile strength.

Precision threads—3 more than standard on pipe ends, and a bevel for easy starting.

Uniformity of wall thickness throughout eliminates weak points.

High pressure testing—each unit tested in air and water at excessive pressures.

KEEPING customers satisfied is more than just supplying their needs. Selling tools that break in use or appliances that get "out of commission" is a sure way of losing repeat business. A Stop and Waste that leaks . . . jams . . . or does anything to annoy your customer, injures your reputation.

You can stake your reputation on Barrett Stops and Wastes and other items of Rough Brass Goods. Manufacturing rough brass goods for over 40 years has built into this line extra features of service. You won't find time-wasting and annoying defects or flaws in these products because every one is triply inspected.

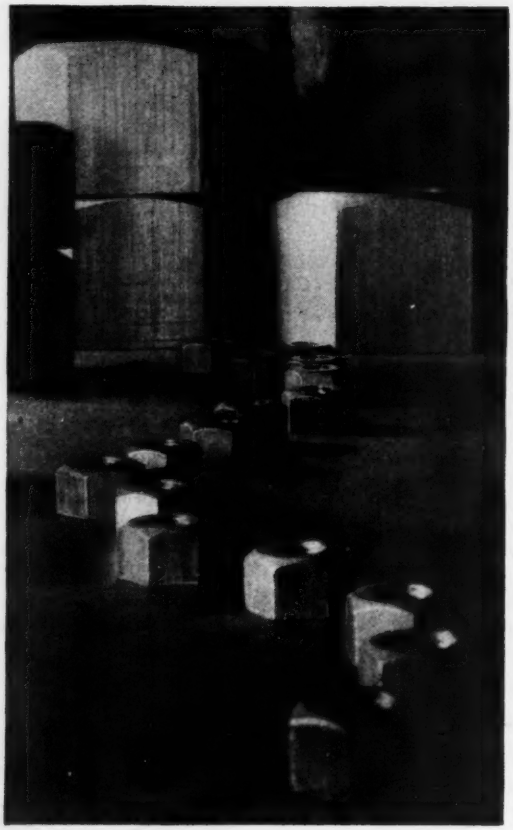
It will pay you to standardize on Barrett Stops and Wastes not only because they are regarded as the measure of comparison in the plumbing field but because of the added features that mean more years of use for the money!

The Cleveland Brass Manufacturing Company
4606-4700 Hamilton Ave. Cleveland, Ohio

BARRETT

THE STANDARD OF COMPARISON

The Mark of a Critical Merchant



BOURKE-WHITE PHOTO

THE PRESENCE of the EMPIRE trade mark on your shelves identifies you as a discriminating merchant to all users of bolts and nuts. You never have to explain why you handle the RB & W line, because no apology need ever be made for the best. Wherever bolts and nuts are used, for decades the standard has been EMPIRE. Constant quality rigidly maintained, plus scientific leadership in improved standards from year to year, underlie the guaranty of the purchase of RB&W EMPIRE Bolts and Nuts. If you do not now stock the EMPIRE line, specify it on your next order to your jobbers.

RUSSELL, BURDSALL & WARD BOLT & NUT CO.

ROCK FALLS, ILL. PORT CHESTER, N. Y. CORAOPOLIS, PA.

Sales Offices at Philadelphia, Detroit, Chicago, San Francisco, Los Angeles, Seattle, Portland, Ore.

THOUGHTFUL BUYERS ARE SPECIFYING R&S RIVETS

Neatly Packed in Cartons for the Jobbing Trade

THE ACME OF QUALITY FOR MORE THAN FIFTY YEARS

No. 1 TUBULAR

Dia. Hd. $\frac{3}{16}$
Dia. Body $\frac{3}{32}$

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Factories of Tubular Rivet & Stud Company, Wollaston, Mass., U. S. A.

No. 1 B. P.

Dia. Hd. $\frac{3}{16}$
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Dia. Hd. $\frac{11}{32}$
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FAIRLY PRICED AND DEPENDABLE IN EVERY WAY

TUBULAR RIVET & STUD COMPANY

BOSTON, MASSACHUSETTS

Southern Rep.
CAVERT LIPSCOMB & SCRUGGS
Nashville, Tenn.
Dallas, Texas

Western Coast Rep.
J. T. McDEVITT
Postal Telegraph Bldg.
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CORBIN PRODUCTS

WOOD SCREWS
DRIVE SCREWS
COACH SCREWS

MACHINE SCREWS
SET SCREWS
CAP SCREWS

THUMB SCREWS

STOVE BOLTS
TIRE BOLTS
SINK BOLTS
MACHINE SCREW NUTS
STOVE AND TIRE BOLT NUTS

U. S. S. NUTS
S. A. E. NUTS, PLAIN
S. A. E. NUTS, CASTELLATED
JACK CHAIN
PLUMBER'S CHAIN
REGISTER CHAIN

SAFETY CHAIN
FURNACE CHAIN
LADDER CHAIN
SASH CHAIN
ESCUTCHEON PINS
SPEEDOMETERS

SPECIAL AUTOMATIC SCREW MACHINE PRODUCTS

THE CORBIN SCREW CORPORATION

The American Hardware Corporation, Successor

General Office and Factories
NEW BRITAIN, CONN.

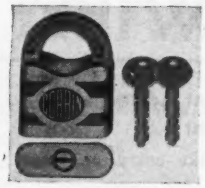
Western Factory: DAYTON, OHIO

NEW YORK
98 Lafayette Street

PHILADELPHIA
Cor. N. Fifth and Commerce Sts.

CHICAGO
321 West Randolph St.

No. 2884
All brass extruded metal, with Corbin Pin tumbler mechanism. Made in 8 sizes varying from 1 inch to 3 inches in size. 2 nickel silver keys to each lock.

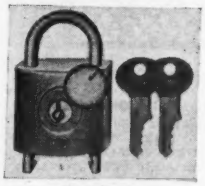


No. 2973
Cast bronze, solid bronze shackle. Made in 9 sizes varying from ¾ in. to 3 inches in size. 2 coined nickel silver keys to each lock.

No. 9965
Size 1½ inch.
Die cast body, black enameled or chromium plated. Pin tumbler mechanism. Steel wire shackle, hardened, cadmium plated. 2 nickel silver keys to each lock.

No. 9970
Size 1¾ inch.
Die cast body, cadmium plate, black enameled lines. Pin tumbler mechanism. Steel wire shackle, hardened, cadmium plated. 2 nickel silver keys to each lock.

No. 9900
Size 2 inch.
Die cast body, chromium plated. Pin tumbler mechanism. Wrought steel, spring shackle, hardened, cadmium plated. 2 nickel silver keys to each lock.



No. 2882X
All brass extruded metal with Corbin Pin tumbler mechanism. Can also be furnished with a bent shackle.

We illustrate but a few of the many items we manufacture. The CORBIN line made to CORBIN Standards assures you a product that is the last word in quality construction. Locks for special uses made to your specifications. CORBIN locks have demonstrated their ability to stand up under varied conditions and are known for their consistent satisfactory performance at all times. Write for catalog.

CORBIN

Cabinet Locks
Padlocks
Automobile Locks
Trunk Locks and Trimmings
Suit Case Locks and Trimmings
Miscellaneous Hardware
House Letter Boxes
Keys and Key Blanks
Key Bitting Machines
Post Office Outfits and Supplies

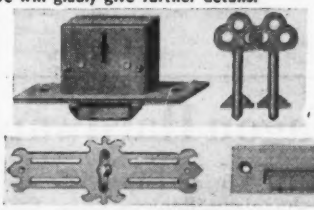
No. 2957
Wrought Steel Padlock with malleable iron spring shackle. Secure levers and wards. Made in 7 different sizes, varying from 1 5/16 to 2⅝ inches. Also in several finishes.

No. 09855B
Cast brass automobile padlock, with a bent, galvanized steel ratchet shackle, two nickel plated corrugated steel keys to each lock. Also made with round shackle.

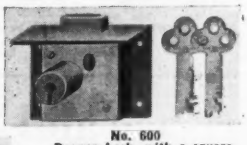
No. 9832¼
Wrought Steel Padlock with malleable iron shackle. Several different sizes and finishes.

No. 5000 Assortment
Steel Padlock Assortment Panel. Finished in Circassian walnut. Size 20½ x 9¼ inches. A number tag under each lock makes re-ordering easy. A wide variety of padlocks and a small stock of each is included in the assortment. Write and we will gladly give further details.

No. 709
Steel Wardrobe Lock. Bolt shoots right and left. Square box. Not polished.



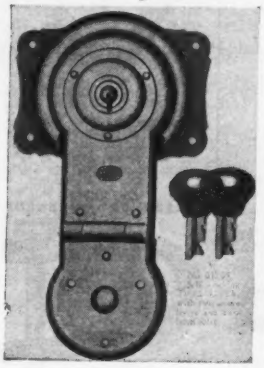
No. 47¾C
Desk Lock. Secure lever, self locking. Brass selvedge. Solid square box. 4 levers. Buffed brass escutcheon. Patent self-closing strike. 2 nickel plated flat bow keys to each lock.



No. 600
Drawer Lock, with a square selvedge, made regularly for ⅞ inch wood. Solid square box. Bread heavy belt. 3 levers. Cylinders cut for both cupboard and drawer. Made in 6 sizes of either brass or steel.

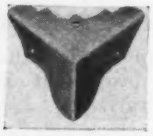
No. 0142
Chest Lock. Square selvedge. Made regularly for ¾ and ⅞ inch wood. 2 polished nickel plated flat steel keys to each lock. Made in several sizes.

No. 0665
Door Lock, all brass, pin tumbler mechanism. Made in several sizes.



No. 01269
Self Locking Trunk Lock, with two secure levers and two latch bolts.

No. 01820
Wrought Friction Catch. We also make several other styles and sizes.

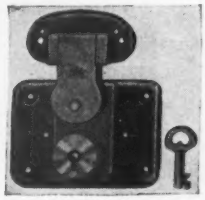


No. 03703
Brass Corner, buffed and lacquered.

No. 01882¼
Brass Suitcase Catch. Buffed and lacquered.

4193 4197 8555 4350 7792½C

No. 2
A sturdy, weatherproof House Letter Box. Made regularly in black japanned old copper and dipped and lacquered finishes.



No. 1645
Surface Suitcase Lock, secure lever, self locking. When unlocked may be used as a catch.

No. 1902¼
Card Holder and Pull. Made of brass or bronze to meet your requirements.

CORBIN CABINET LOCK CO.
THE AMERICAN HARDWARE CORPORATION SUCCESSOR
NEW BRITAIN, CONN.
NEW YORK CHICAGO PHILADELPHIA

The MEYCO Line of WIRE GOODS

MEYCO SCREEN DOOR GUARDS

Beauty and Durability are combined at their best in

Meyco Screen Door Guards

Note the features which are creating a big demand for them.

8 BIG FEATURES THAT MAKE MORE SALES

1. Patented one-piece construction. No loose parts.
2. Rustproof finish. Will not crack, flake or chip.
3. Double Crimped. Holds wires firmly in place.
4. Spot welded at 50 points.
5. Strong U Bar top and bottom.
6. Adjustable to all doors up to 42 inches wide.
7. Strong flat wire mesh.
8. Full Guarantee.

Obtainable in either Scroll Top or Plain Top as shown.

Order sample dozen on approval or write for complete details.

YOUR JOBBER CAN SUPPLY YOU.

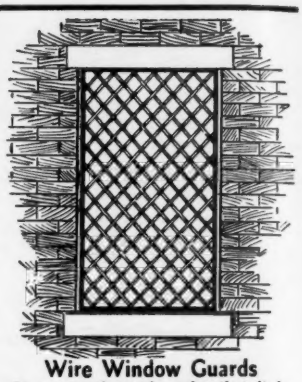
Extra Profits Without Additional Investment

No stock needed to make extra profits with the Meyers line of WIRE, IRON and BRONZE PRODUCTS Just keep our illustrated catalog handy. It illustrates and describes complete lines of

Window Guards	Cellar Doors
Skylight Guards	Gratings
Grilles and Wickets	Iron Fencing
Railings	Fire Escapes
Wire Enclosures	Iron Stairs

Brass Thresholds, Screen Door Guards, Fire Guards and Fenders, Ticket Punches, Etc.

Also stock grilles in sheets, for use as store fixtures, railings, wickets, partition work, guards, etc. Ask for Catalog No. 69.



Wire Window Guards

In any mesh or size wire that it is practical to make; with round iron, angle iron and channel iron frames. In ordering state exact overall size of width and height desired.

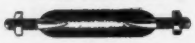
Genuine Hunter's Sifters

Genuine Hunter's Sifters

Imitated but never equaled. Standard of the world since 1880. No. 1 family size and No. 2 (3-qt. size) of extra heavy tin plate, also No. 4 extra heavy nickel plated. Packed 1 doz. in carton.

THE FRED J. MEYERS M'F'G. CO. HAMILTON, OHIO

AXLE CLIPS PLAIN PATTERN



Size of shank, 5/16"; length of flat, 1½" to 7½"; width of flat, ⅞".

WAGON AXLE CLIPS PLAIN PATTERN

Size of shank, ⅜"; length of flat, 2¼" to 9"; width of flat, 1¼".

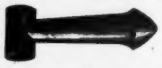
POINT CENTER AXLE CLIPS

Size of shank, 5/16"; width of flat at points, 1½" and 1⅝"; flat, 2¼" to 6¼".

CONCORD AXLE CLIPS

Size of shank, 5/16", ⅜" and 7/16"; length of flat, 2¼" to 11"; width of flat, 1¼", 1⅜", 1½" and 1¾".

SHAFT AND POLE EYES

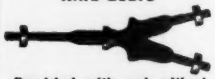


Size of eye, ⅞" to 1⅜"; size of bolt, 5/16" to ½".

THREE PIECE SADDLE CLIPS

Size of spring, 1½"; length of flat, 1½" to 4"; size of shank, 5/16".

KING BOLTS



Furnished with and without collar. No. 1—diameter of stem, ½"; size of shank, 5/16"; length of clip, 4¼" to 6".

SHORT SPRING CLIPS

Spring or axle ⅞" to 1½"; length of flat, ¾" to 1"; Size of shank, 5/16"; length of shank, 1¼" to 2".

Carriage and Wagon Hardware

We specialize in this line—make a wide variety of Carriage and Wagon Hardware—have excellent facilities for the work and endeavor to supply the trade with dependable hardware that will bring customers back for more of the same kind.

All products shown are DROP FORGINGS.

We are in a position to quote prices that insure generous profits. A trial order will prove that our products, prices and service are worth securing.

We also produce all kinds of special forgings. Send for catalog of complete line.

THE E. D. CLAPP MFG. CO., Auburn, N. Y.

Established 1864

FINISHED SHAFT COUPLINGS, BOLT & NUT

Furnished also with pole eyes in place of shaft eyes. Size of eye, ⅞" to 1⅜"; size of bolt and shank, 5/16" to ½"; length of clip, 2½" to 6½".

CLEVISES AND DRAW BOLTS

No. 1645G—Clevises, small; width of strip strap, 1⅛"; diameter, 1⅜"; opening at bend, ¾". No. 1145H—Clevises, large; width of strip strap, 1½"; diameter, 1¾"; opening at bend, ⅞". Draw bolt furnished in small, medium and large.

COUPLING CLIPS AND BOLTS

Size of eye, ⅞" to 1¾"; size of bolt and shank, 5/16" to ½"; length of clip, 2½" to 6½".

WHIFFLE TREE NECK YOKE STAPLES

No. 1670—Opening center to center, 1 1/16"; diameter at bend, ½"; shank, 5/16".

DOUBLE TREE CLEVISES WITH SWIVEL HOOKS

No. 1655—Clevis, pin and hook drop forged; opening of clevis, 2⅝"; length between head of hook and pin, 4"; Entire length of clevis, 9".

CLEVISES WAGON OR IMPLEMENT

No. 1635—Opening of clevis, 2", 2¼" and 2½"; length between inside and pin, 3½" and 4¾"; length of clevis, 4¾" and 6¼".

SLAYMAKER PADLOCKS

SHOWING A FEW OF THE FAST-SELLING TYPES SELECTED FROM THE LINE THAT IS MOST COMPLETE AND MODERN, COVERING EVERY PADLOCK REQUIREMENT.

No. 80 Size 13/16 in.

A small steel Padlock in 11 different finishes: cadmium, brass, nickel, copper, bronze and chromium plated; black, blue, green, red and brown enameled. For golf bags, luggage, dog collars, small boxes and cabinets.

No. 4047
Size 1 1/16 in.

Strong steel Case, round Shackle, snappy action. In cadmium or brass plated and black enameled finishes.

No. 6040
Size 1¼ in.

Wrought steel Case with small round Shackle. In cadmium or brass plated finishes.

No. 7044 Size 2 in. With square Case

No. 2531 Size 2 in.

Heavy steel, Case and iron Shackle. In cadmium or brass plated finishes.

An exceptionally large and substantial Padlock at a low price.

No. 16022 Size 2 in.

Full size and weight genuine six-lever malleable iron Shackle. In cadmium or brass plated finishes.

No. 6022 with flat steel Keys.

No. 162 with ¼ in. round Shackle.

No. 253 Size 2 in.

Inexpensive, but heavy combination Lock. Patent pending. Many combinations. No springs to get out of order. In brass or cadmium plated finishes.

No. 14 Size 2 in.

Popular shape steel Case, with round Shackle. In cadmium or brass plated finishes. Spring lever and ward mechanism. Larger than usual shackle clearance. A most substantial Padlock.

No. 605 Size 1½ in.

All-brass patented Padlock of special shape to insure snug fit on staple. One hand operation. Packed in display carton.

No. 1210 Size 1⅝ in.

Locking-bar Padlock of polished bronze metal. **Patented.** Coined and slotted nickeled Keys. Packed in Display carton.

No. 1098—Pat.—Size 1⅝ in. Universal Tire-Carrier Padlock, used everywhere and for many other purposes. Removable and adjustable Shackle, which cannot be put in the wrong way.

No. 991 Same length Shackle but not offset. Available with clearance as high as 7 inches.

No. 440 Size 1⅝ in.
Design Patented

Attractive, heavy bronze metal Padlock in patented design. Highly polished Case, nickeled steel rod Shackle. No. 445 size 2⅛ in.

No. 9902NC
Size 1⅝ in.

R F D Padlock with solid brass Case and brass rod Shackle. Operated by standard master Key.

No. 2525 with brass-plated steel rod Shackle.

No. 3901 Size 2⅛ in.

Polished cast brass Case, nickeled rod Shackle springing open to quarter turn.

No. 3902 Size 1⅝ in.

No. 3903 Size 1¼ in.

No. 98 Size 13/16 in.

No. 8 Size 1¼ in.

Highly polished brass Case with black back ground. Brassed Shackle.

No. 9 Size 1⅝ in.

No. 12 Size 2¼ in.

No. 10 Size 1¾ in.
Patented

Laminated steel plate construction. Double riveted, inside and out Coined cylinder type Keys.

No. 25 Size 1⅝ in. Same as above but with corrugated Keys. In counter display cartons.

No. 1570 Size 1⅝ in.

Solid bronze Case with cadmium coated case hardened Shackle. Coined and slotted cylinder type Keys. Packed in attractive display container.

No. 950 Size 1⅝ in.

Solid bronze metal Case, with patented adjustable hinge Shackle, providing 4 locking positions. Shackle is case-hardened and cadmium plated.

Design permits use for many purposes.

No. 20 Size 1⅝ in.
Patented

Solid die-cast body with seamless protector casing. Locks and opens **automatically.**

Disc-tumbler mechanism, can be master-keyed.

Chromium or parkerized. In counter display boxes.

No. 800 Size 1½ in

The Silver Sentinel Solid one-piece Case with case-hardened cadmium plated Shackle. Genuine **Pin Tumbler** mechanism. Can be master-keyed. Beautiful display carton.

No 1640 Size 2 in

The **Pin Tumbler** cylinder Padlock with solid one-piece rustless Case. Case hardened and cadmium plated Shackle. Unlimited key changes; can be master-keyed. Carton provides attractive display

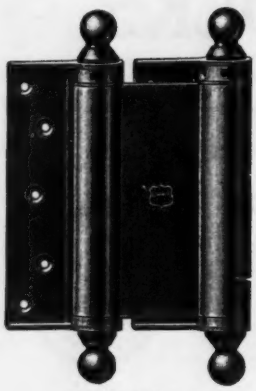
No. 165 Size 1½ in.

No. 170 Size 2 in. Highest Grade **Pin-Tumbler** bronze Padlocks. With case-hardened steel or bronze Shackles. Unlimited key changes; can be master-keyed.

The Slaymaker Padlock Line includes all kinds from the small dog collar lock to the heavy-duty types for railroad and similar uses.

SLAYMAKER
LOCK COMPANY • Since 1888 • LANCASTER, PENNA.

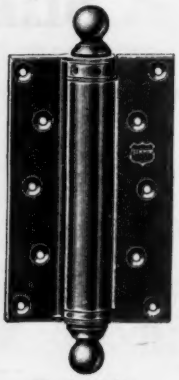
Also makers of the line of high grade brass and bronze hardware known to the trade as "GREENE TWEED."



Double Action
Standard Type No. 29

BOMMER
SPRING HINGES
ARE THE BEST

For more than Half-a-Century these popular hinges have maintained their leadership and proved their efficiency in the finest homes and public buildings in the land.



Single Action
Standard Type No. 0

Millions and Millions
of People are Pushing
BOMMER Spring Hinges
When Opening Doors

BOMMER SPRING HINGE CO., BROOKLYN, N. Y.

AMERICAN

Wood Screws **Machine Screws**
Stove Bolts **Tire Bolts**

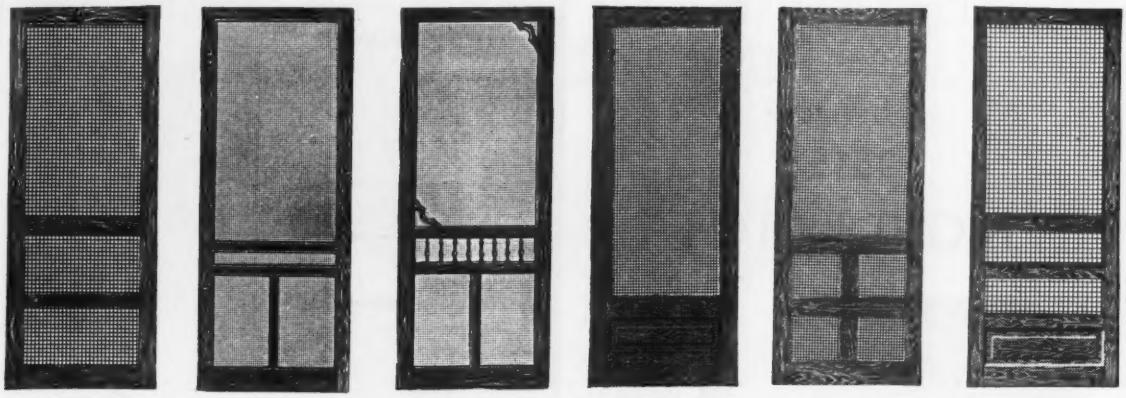
AMERICAN SCREW COMPANY

PROVIDENCE, R. I., U. S. A.

Western Depot: 225 West Randolph Street, Chicago, Ill.

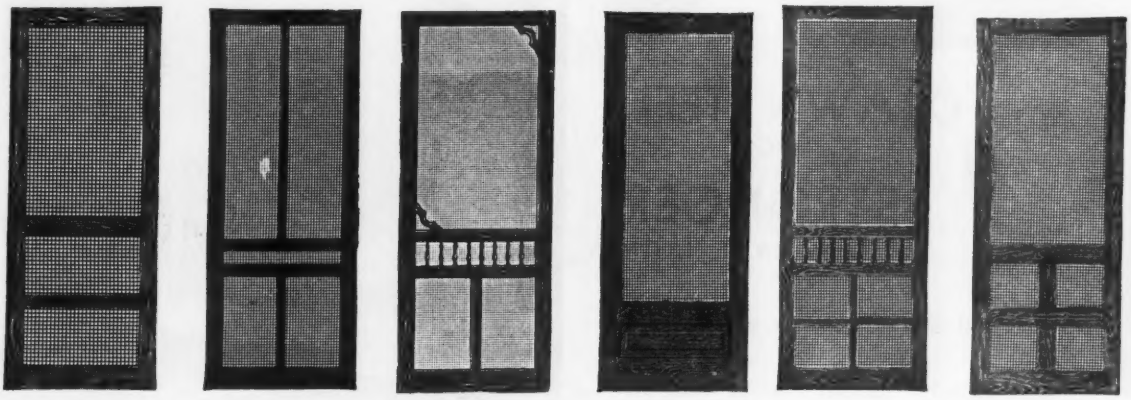
"PUT IT TOGETHER WITH SCREWS"

Continental SCREEN DOORS WINDOW SCREENS



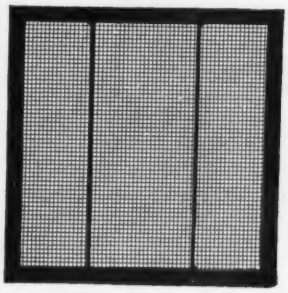
241 | 281—288 | 313—314 | 315—W1315 | 355—W1355 | 545—W1545

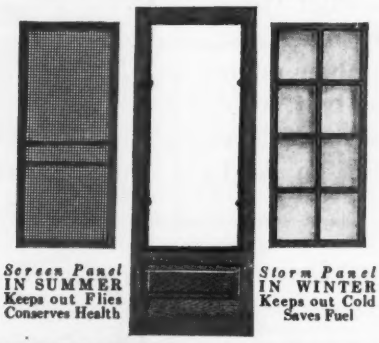
EASTERN LINE



241—271 | 1296—W1296 | 311—1311 | 315—1315 W1315 | 341—1341 W1341 | 355—1355 W1355

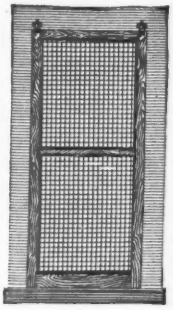
WESTERN LINE



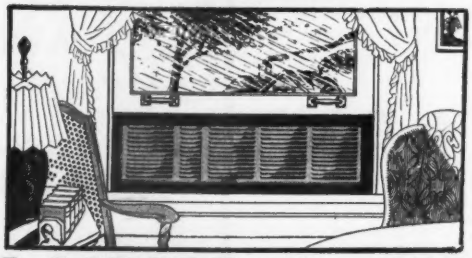


Screen Panel IN SUMMER Keeps out Flies Conserves Health

Storm Panel IN WINTER Keeps out Cold Saves Fuel



Buy Continental SCREENS from your Jobber



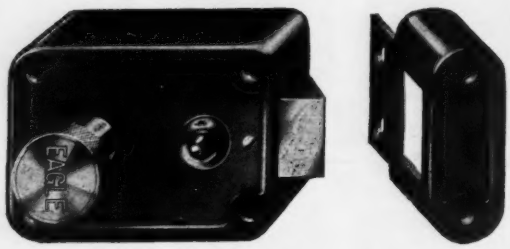
CONTINENTAL the Complete Quality Line

Five Large Factories to Serve You

CONTINENTAL SCREEN CO., DETROIT, MICH.

EAGLE

3515
NIGHT LATCH



DRAWN STEEL
IS
STRONGER
THAN CAST IRON

"True as Steel" » » » » » » »

Throughout history this ringing phrase has stood for tested worth. Eagle Night Latch No. 3515 has a case and strike made of steel. It has a full size, accurately machined, solid brass, five-pin-tumbler cylinder—and a solid brass bolt, knob and thumb slide button. It is FINEST QUALITY in ALL DETAILS.

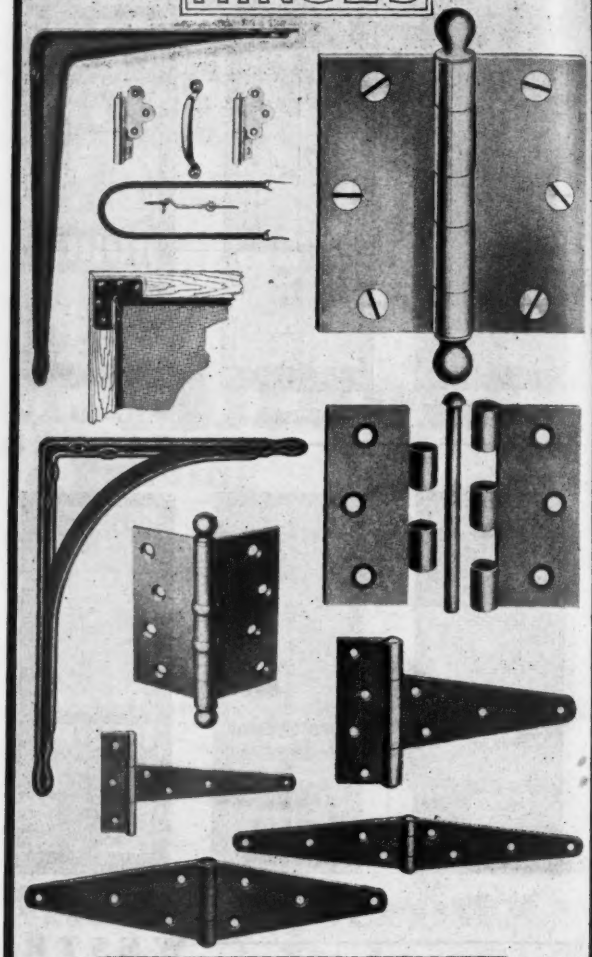
The Eagle Quality Line

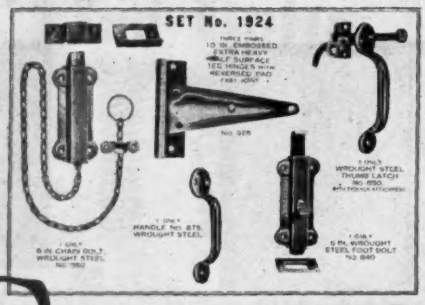
Night Latches	Store Door Sets	Wood Screws
Trunk Locks	Padlocks	Stove Bolts
Front Door Sets	Cabinet Locks	Machine Screws

EAGLE LOCK CO.
General Sales Office
26 Warren Street · New York

Branch Offices:
521 Commerce St. Philadelphia, Pa. · 177-179 N. Franklin St. Chicago, Ill. · 114 Bedford St. Boston, Mass
Works at Terryville, Conn.

GRIFFIN HINGES

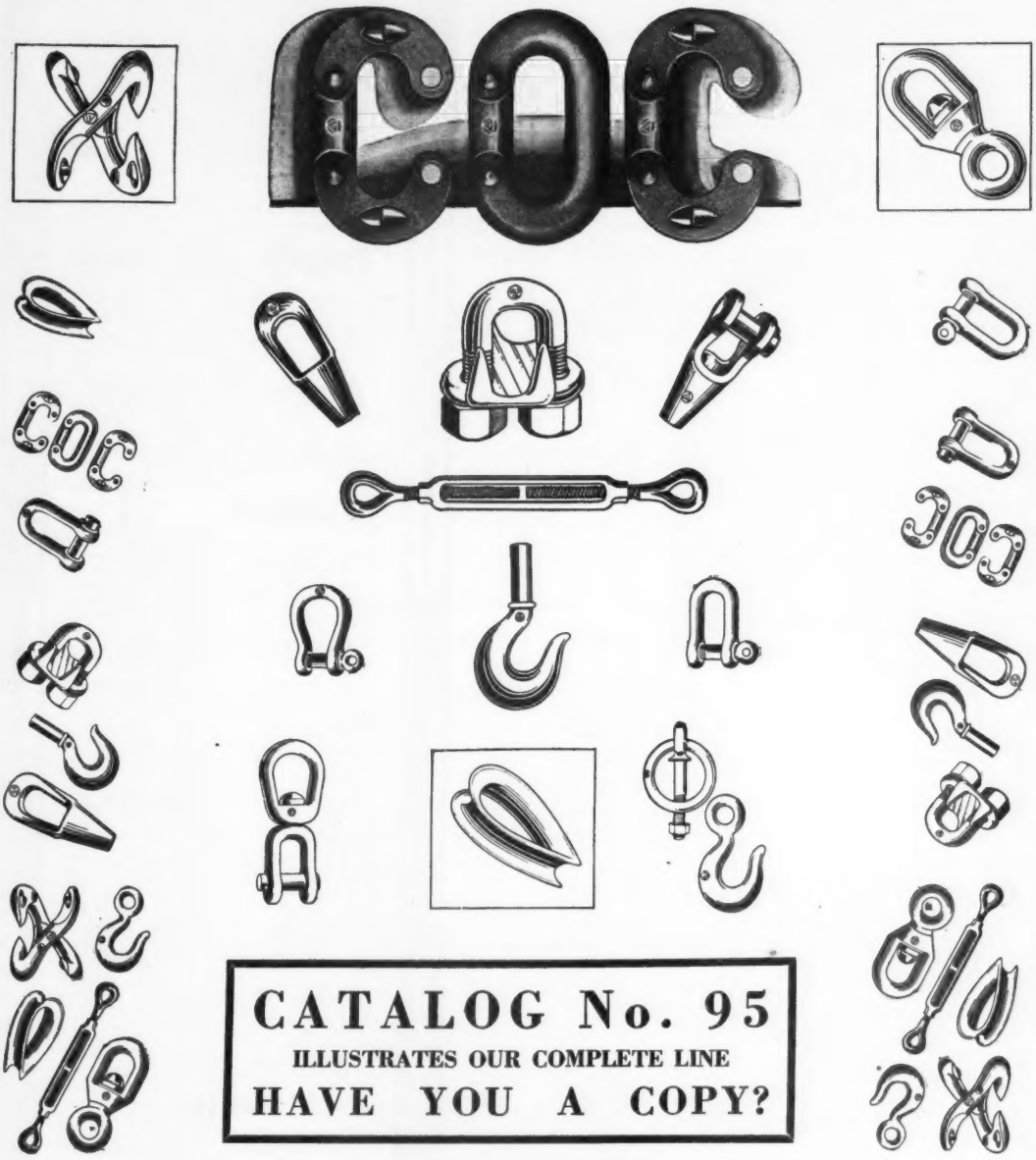




GRIFFIN
Manufacturing Company
ERIE, PENNSYLVANIA
MANUFACTURERS

Branch Offices:-
NEW YORK: 45 WARREN ST. BOSTON: 113 PURCHASE ST.
CHICAGO: 162 N. CLINTON ST. SAN FRANCISCO: 703 MARKET ST.

MARINE AND INDUSTRIAL HARDWARE



CATALOG No. 95

ILLUSTRATES OUR COMPLETE LINE

HAVE YOU A COPY?

TRADE MARK

MAKERS OF
MARINE AND INDUSTRIAL HARDWARE
SINCE 1866

TRADE MARK

THE THOMAS LAUGHLIN COMPANY

199 FORE STREET

PORTLAND, MAINE

NEW YORK — CHICAGO — NEW ORLEANS — DENVER — SAN FRANCISCO — LOS ANGELES — SEATTLE

EAGLE

NEW PIN TUMBLER

PADLOCK

IN DISPLAY CARTON

04831
Chromium Plated
04831A
Silvered Finish

04831B
Dead Black Finish

←Actual Size

A handsome, husky new Pin Tumbler Eagle Padlock—made in three popular finishes—Chromium Plated, Silvered Finish and Dead Black Finish. Packed in a Display Carton.

This is a 1⅝ inch Padlock with Five Pin Tumblers. It has a Solid Die Cast Case, with Hardened Steel Shackle. Key changes are all different. Two milled German Silver Keys with each lock.

A GOOD DISPLAY ITEM FOR WINDOW SHOPPERS

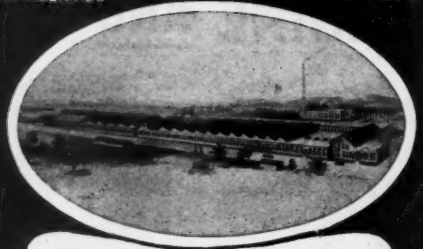
The Eagle Quality Line

Night Latches	Store Door Sets	Wood Screws
Trunk Locks	Padlocks	Stove Bolts
Front Door Sets	Cabinet Locks	Machine Screws

EAGLE LOCK CO.
General Sales Office
26 Warren Street · New York

Branch Offices:
521 Commerce St., Philadelphia, Pa. 177-179 N. Franklin St. Chicago, Ill. 114 Bedford St. Boston, Mass.
Works at Terryville, Conn.

ESTABLISHED 1854

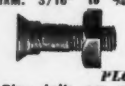


BOLTS NUTS SCREWS

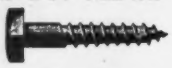
ONE of the most modern plants in existence — the result of 78 years' pleasing our customers.

CARRIAGE BOLTS
With full square under heads, square nuts, finished points.
Lengths ⅜" to 20". Diam. 3/16" to ¾".

MACHINE BOLTS
With square heads, square nuts, finished points. Lengths ¾" to 30". Diam. ¼" to 1½".



PLOW BOLTS
Plow bolts are made in 8 styles of heads. Measured from top of head to point. Lengths ¾" to 6". Diam. 5/16" to ¾".



COACH AND LAG SCREWS
Square head with gimlet or cone points. Lengths 1" to 12". Diam. 3/16" to 1".

ELEVATOR BOLTS
Large flat head elevator bolts, finished points and square nuts. Lengths ¾" to 3". Diam. 3/16" to ⅜".

SET SCREWS
Case hardened square head, cup and oval points are standard.
Points of other shapes are special. Lengths ½" to 5". Diam. ¼" to 1½".

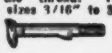
CAP SCREWS
Square and hexagon head, furnished with U. S. S. and S. A. E. thread. Lengths ½" to 5". Diam. ¼" to 1½".

RIVETS
Rivets are made in several styles of heads. Lengths 3/16" to 6". Diam. ⅛" to ½".

SPRING CENTER BOLTS
made with slotted filister heads, square heads and cone heads. Lengths 1" to 10". Diam. 5/16" to ½".

HEXAGON NUTS
Semi finished. Tapped U. S. standard thread and faced off on the bottom at right angles to the thread. For bolt sizes 3/16" to 3".

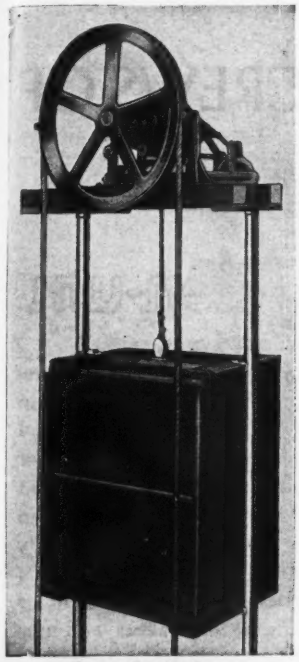
THUMB NUTS
Thumb nuts for bolt sizes 3/16" to ¾".



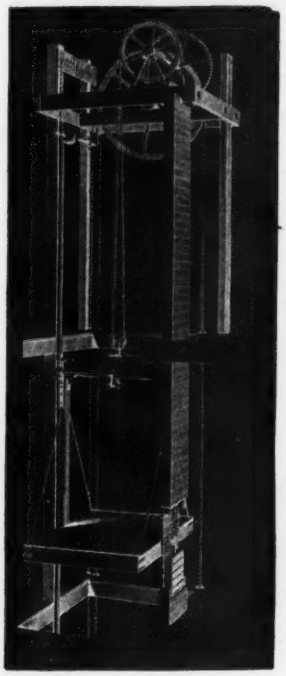
SPECIAL BOLTS
We also specialize in difficult designs. Send for catalog of complete line.

CLARK BROS. BOLT CO.
Noble Road, Milldale, Conn.

CLARK BROS BOLT CO. MILLDALE CONN.



Energy Dumbwaiter



Energy Freight Elevator

Been Making Them Since 1887

A strong selling advantage of Energy Dumbwaiters and Elevators is the long-established organization which guarantees the equipment—and the length of time many Energy Dumbwaiters and Elevators have been in operation. We are replacing worn parts today for equipment sold when William McKinley was President of the United States.

These profits can be *yours*

Energy sells thousands of dollars' worth of Elevator and Dumbwaiter Equipment through hardware concerns annually.

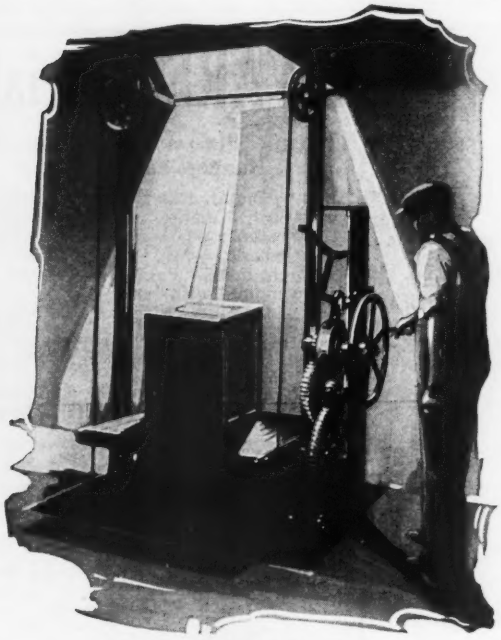
It is profitable business to you. You have no stock to carry. You meet more completely the needs of your contracting and building customers. And, with Energy, you are selling equipment which has satisfied architects, builders *and users* for 45 years.

There is a type of Energy Dumbwaiter or Elevator to fit exactly every lifting need (either hand-operated or electric)—and the Energy Engineering Department co-operates with you in recommending the type to use and furnishing blue prints and selling data.

Write for our dealers' proposition, and catalog of detailed descriptions and specifications.

Energy Elevator Company

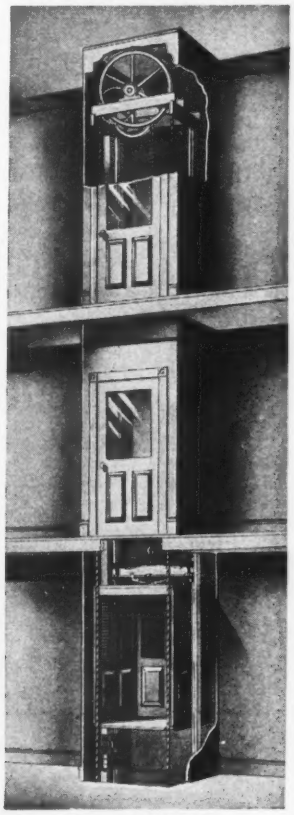
217 New Street Philadelphia, Pa.



Energy Sidewalk Elevator

ENERGY
ELEVATORS & DUMBWAITERS
WHEREVER A LIFT IS NEEDED

Energy Heavy Duty Dumbwaiter



Energy Invalid Lift

Selling Literature for Your Own Use

All Energy Equipment is delivered with complete erection instructions for local contractors. In addition, we can furnish you with selling material for each standard type, setting forth in clear, understandable language, its particular advantage—with technical data for the architect or engineer. These advantages combine to make Energy the most popular equipment with reputable hardware organizations.

HOLLOW ALLEN SCREWS OF Chrome-Mo-lyb-den-um

SET SCREWS

The new ALLEN screws of Chrome-Molybdenum steel test up 50% stronger, 25% harder than former Allen screws. Designers, engineers, machinery builders protect the performance of their jobs by specifying this new product of Allen cold-drawing. Heat-treated as each size of screw and type of point requires for maximum strength. Accurately threaded, so the screws won't loosen in vibrating parts. Each lot instrument-tested and each screw hand-inspected. All sizes in stock, from 1/4" to 1 1/2"; any length or style of point.

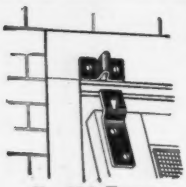
Socket Head Cap Screws

ALLEN hollow-head Cap Screws are the precision screws for punch, die and jig work in the shop. Heads finished all over, turned true with the bodies of the screws. Made of Chrome-Molybdenum steel with die-cut threads, accurate in pitch and perfect in lead. Scientifically heat-treated; individually hand-inspected. All sizes from 1/4" to 1 1/2"; also "No. 10's." Allen Socket Head Shoulder Screws are available to diemakers and machinery builders for attaching strippers to punches in fast production die work.

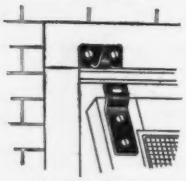
Ask for Catalogue of complete line.

THE ALLEN MFG. COMPANY *HARTFORD, CONN. U. S. A.*

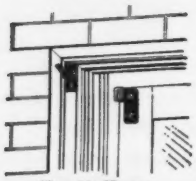
Phenix HARDWARE Specialties



No. 114 Hanger

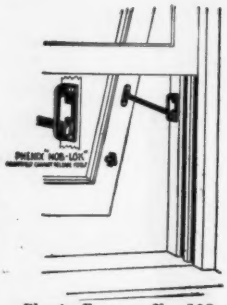


No. 10 Hanger



No. 20 Hanger

No. 9 Hanger



Phenix Fastener No. 102

Phenix Fastener No. 30

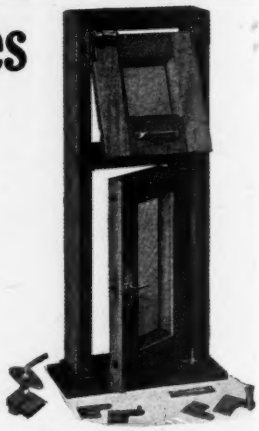
Phenix Screen and Storm Sash Hangers and Fasteners

Four popular designs of Phenix Screen and Sash Hangers are shown opposite. As Fastener use No. 102 or 30. Made of wrought steel, sherardized, or in wrought brass. Packed in doz. sets, each set complete with screws.

No. 112 Top-Swing Half-Screen Hanger is adjustable to any thickness of sash or stop. Construction prevents half-screen being raised, blown or pushed from pivots.

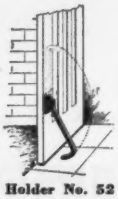
Phenix Inside Casement Screen Pivot Hinge No. 45

For use with either side or top hung screens where casement windows swing out. Do away with unsightly loose pin butts on inside finish. Solid brass right or left hand. Packed in dozen sets with screws.



Phenix Inside Casement Screen Pivot Hinge No. 45 and Fastener No. 72

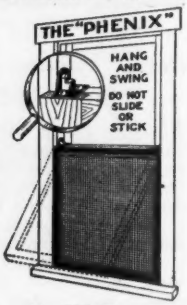
No. 50



Holder No. 52

Phenix Garage Door Bolts and Holders

For garages, factories, warehouses and fire doors. One turn of handle locks or unlocks both, top and bottom bolts. All steel, sherardized. Packed one set complete with screws. Phenix Holder No. 52 prevents accidents, broken headlights and bent fenders. Operates by hand or foot. All steel, sherardized. Individually packed with screws.



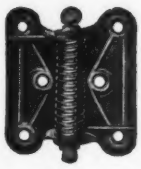
No. 112 Hanger

Send for New Catalog which shows Complete Line of Phenix Hardware Specialties

For prices consult your Jobber or write to us.

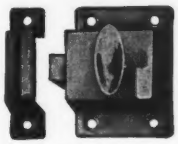
PHENIX MFG. CO., 2682 N. Humboldt Ave., Milwaukee, Wis.

"Champion" Hardware
makes
Customers Friends



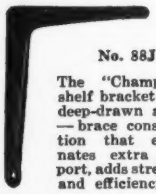
No. 7-11

Loose-pin hinge makes screen door removable without taking out screws. Special embossing for extra strength. A "best seller."



No. 1210

Wrought cupboard turn, practical design, smooth in operation. Base is drawn from one piece, without seams or joints.



No. 88J

The "Champion" shelf bracket with deep-drawn arch — brace construction that eliminates extra support, adds strength and efficiency.

No. 7400

Cast coat and hat hook of practical and good-looking design. Horizontal upper prong admits use directly under shelf.

No. 5930

Casement fastener, graceful in design, strong, smooth of action. Well finished, to merit a place in the finest of homes.

No. 9215

Correctly proportioned letter-box plate. Beveled edges. Wrought frames and cast flap. Opening large enough to admit magazines.

Also in the Champion line

Garage Door Hardware	Locks and Latches
Drawer Pulls	Double Acting Hinges
Gate Hooks and Eyes	Chain Door Fasteners
Door Bolts of All Kinds	Hand Rail Brackets
Sash Fasteners	Carpenters' Vises
Kick Plates for Doors	Steel Sash Pulleys
Window Sash Lifts	Coil Door Springs
Casement Adjusters	Sad Iron Handles
Cupboard Turns and Catches	Door Bumpers
Iron Toys	Door Knockers

and many other items.

The Champion Hardware Co.
GENEVA, OHIO

NORTON

Largest Exclusive Door Closer Manufacturers in the World

THE NEW IMPROVED NORTON DOOR CLOSER

The great principle of this closer is speed control.

The combination of a rack and pinion movement with double ports gives absolute control of door from start to finish.

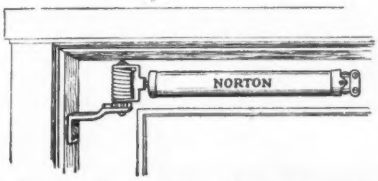
The flow of liquid is regulated from the start; any speed up to the latch; any speed at the latch. Both ports controlled by one regulating screw.

Can be furnished with holder arm which eliminates necessity of floor stops or any other device used to hold door open.

Regularly furnished in gold bronze finish, unless ordered solid bronze, polished, or special finish.

In ordering give size of door and whether right or left hand door.

NORTON NO. 4 SCREEN DOOR CLOSER



Can be applied to either side of door without change of bracket and between doors in a space of two inches. Made with a seamless brass tube which will not rust. The bracket, spring holder and hinge plate are made of heavy steel stampings which will not break.

Packed in individual carton with full instructions for applying.

WRITE FOR CATALOG AND PRICES

NORTON DOOR CLOSER CO.
Division of The Yale & Towne Manufacturing Co.
2900-2918 NORTH WESTERN AVE.
CHICAGO, ILLINOIS

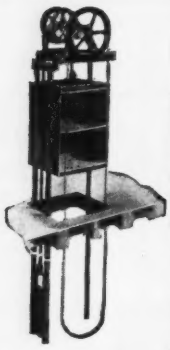
SEDGWICK
Dumb Waiters - Elevators
FOR ALL PURPOSES

HAND POWER and ELECTRIC

SIDEWALK ELEVATORS
FREIGHT ELEVATORS
RESIDENCE ELEVATORS

ALSO HAND POWER

FUEL LIFTS — TRUNK LIFTS
CORRESPONDENCE LIFTS
ASH HOISTS, ETC.



The Hardware Trade CAN Sell Sedgwick Dumb Waiters

In many localities the hardware dealer is the logical outlet for builders' supplies. For years a number of such dealers have been selling Sedgwick Dumb Waiters and other Sedgwick equipment and have made money in doing so.

No dealer, however, can take chances with equipment of this kind. Inferior equipment is bound to result in complaints and loss of business. Sedgwick Dumb Waiters enjoy the highest reputation because they are of highest quality and may always be depended upon for trouble-free service. Specified by leading architects. Preferred by owners who recognize their economy in operation.

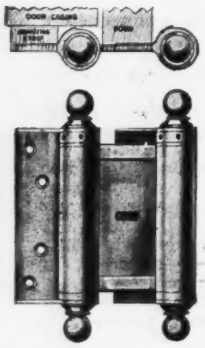
WRITE FOR OUR SPECIAL PROPOSITION FOR HARDWARE DEALERS.

SEDGWICK MACHINE WORKS
160 WEST 15th ST. *Established 1893* NEW YORK, N. Y.

Spring Hinges of Quality

CHICAGO SPRING HINGES

There Is No Substitute for Quality



Type 2001
The "Triplex"

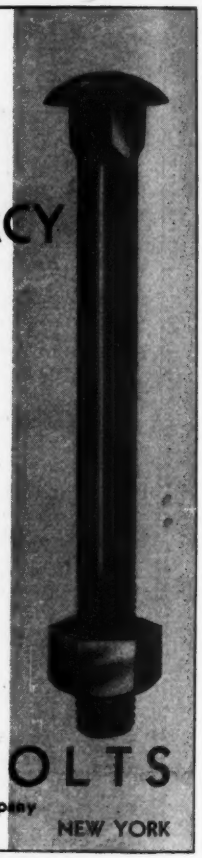
For many years "Triplex" Spring Hinges have been recognized by Architects, Contractors and Dealers as "Spring Hinges of Quality."

The Chicago Spring Hinge Company manufactures a complete line of spring hinges, of equal quality, suitable for other requirements.

If you do not have our catalogue send for HC47.

Chicago Spring Hinge Company.
CHICAGO NEW YORK
U. S. A.

SERVICE
QUALITY
ACCURACY



. . . Three generations of engineers, machinists, and manufacturers have put their stamp of approval on Buffalo Bolts and Nuts—the standard of *service, quality* and *accuracy.*

Buffalo Bolts and Nuts are made completely in our own plant from billets to finished units. Every step is controlled by experts . . . Only highest quality steel used. Heads are strong and will not snap off, nuts fit squarely and ride smoothly. Packed in attractive cartons with easy-to-read labels. *Catalog on request.*

B

BUFFALO BOLTS
Made by Buffalo Bolt Company
NORTH TONAWANDA NEW YORK

The Fast-Selling Padlock Line—25¢ to $2 Retail

THE Master line of padlocks meets every retail quality requirement with Master's patented, exclusive laminated cases of steel or brass; also powerfully built shell-type cases of steel or brass. Warded, lever or pin-tumbler locking mechanisms of superior security.

Master Secret Service No. 1
Winner of American Association of Master Locksmiths "Gold Medal." Solid brass cylinder, 1¾" wedge-riveted, laminated case and seven other features making it the world's standard of comparison.

MASTER LOCK CO.
926 W. Juneau Avenue Milwaukee, Wis.

Get this Valuable Illustrated PRICE LIST No. 8

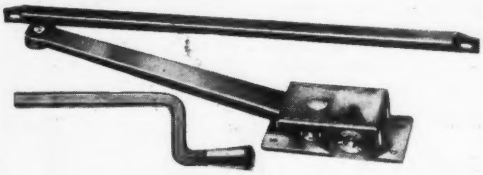
Master Padlocks
Made by the World's Largest Exclusive Padlock Manufacturers

Win-Dor CASEMENT WINDOW HARDWARE

Don't Wait for New Buildings!

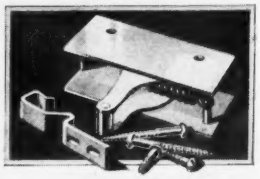
HOME modernization is an active, immediate market for Win-Dor devices with a future assuring real volume and profit to dealers who cultivate it intelligently. Thousands of casements in existing structures are equipped with obsolete, unsatisfactory hardware. Porch enclosures, additions, etc., offer another profitable and growing market. Capitalize this opportunity now with modern Win-Dor equipment, the specification standard of leading architects and hallmark of modern homes.

Win-Dor fits the market in range of types and prices — remarkable adaptability to existing window constructions—and the obvious quality and durability which always appeals to careful buyers.



Casement Operator No. 26

Thru-screen: gear type with bronze worm. Sturdy, handsome, compact. Fully reversible for right or left hand. Easily applied to all wood and most steel casements—new or old buildings. List, without handle, $2.70.



Automatic Top Closer No. 45

The perfect companion to No. 26. Pulls top corner of sash snug, automatically, without opening screen. Works wonders with old wood casements which are warped. Reversible. List, $1.20.

Automatic Casement Stay No. 61

Non-thru-screen, but positive-locking automatic action which really holds out-swung sash under all conditions. Handed right and left. List, $1.00.

OTHER WIN-DOR PRODUCTS

Series 35 concealed operator No. 70 extension cleaning hinges. No 81 Snap-in Snap-out screen hardware for wood screens. No. 7 cottage type thru-screen operator.

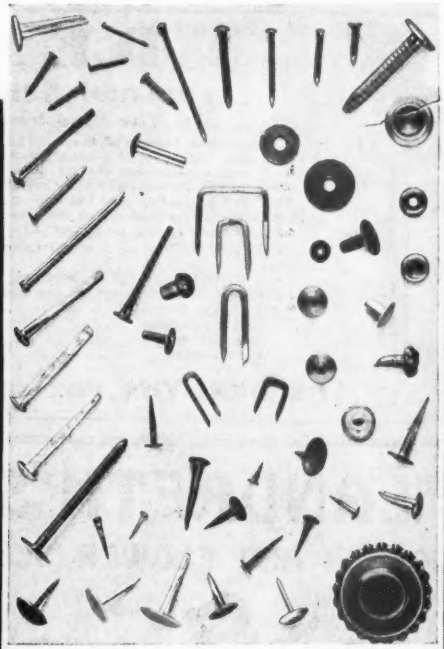
If you are trying to get all the good business possible under present conditions write us for new complete illustrated price list No. 19 and many interesting facts useful to hustlers.

CASEMENT HARDWARE COMPANY

404 A North Wood St. Chicago, Ill.

Casement Hardware Headquarters Since 1906.

ATLAS QUALITY HAS BEEN STANDARD SINCE 1810

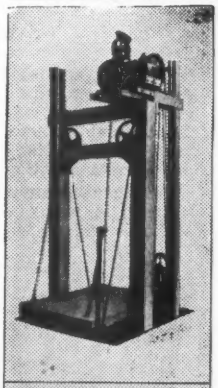


CONCENTRATE PURCHASES—SAVE FREIGHT and HANDLING

Some of the products made by

The ATLAS TACK CORPORATION

FAIRHAVEN, MASSACHUSETTS



Built-to Perform the Task

Replace it with . . A KIMBALL ELEVATOR

Is your elevator old and shaky? Why not replace it with a Kimball machine—They are compact, powerful and safe—Tell us the job it has to do and let us submit prices and data on machine to do it.

What are your requirements? We have an Engineering Dept. to aid you. Write us!

KIMBALL BROS. CO.

1205-19 Ninth St.
Council Bluffs, Ia. 6AA

DENISTON

"Lead Seal" ROOFING NAILS

The "led-hed" nail that *SEALS* the hole

Showing Shape of Lead Under Head

Patented No. 1576727

THE outstanding feature of the Deniston "led-hed" nail is that there is no lead on top of the steel head of the nail. All the lead is under the head and around the shank of the nail. When driven, the Deniston "led-hed" nail accomplishes the real purpose of a lead-headed nail, and that is to seal the nail hole, cover the break in the galvanizing—thus preventing leaks, rust and corrosion.

This modern roofing nail has won the preference because the lead cannot come loose and because the large diameter of its head makes the most positive and perfect weatherproof seal.

SIZES—Made in 1½"—1¾"—2"—2¼"—2½" No. 10 Gauge.

FINISH—Furnished in Hot Galvanized, or Bright wire nails. Also pure Copper wire nails for slate roofing.

HOW PACKED—In 100 lb. kegs only.

SHIPPING WEIGHT—106 lb. per keg.

NAILS PER POUND	1½"	1¾"	2"	2¼"	2½"
Bright Polished	91	83	77	71	67
Hot Galvanized	89	81	74	70	67
Pure Copper	84	77	71	68	66

MANUFACTURED BY

THE DENISTON CO., 4866 S. Western Ave., CHICAGO, ILL.

LANDRETH'S

GARDEN AND FLOWER SEEDS

COLONIAL BOY COPYRIGHTED

This is our 148th year in the Seed Business, in direct descent from father to son, now the fifth generation. That is a long time isn't it? We are the oldest Seed Establishment on the American Continent and next to the oldest Seed Establishment in the world. We should and do know our business.

If you need anything in seeds at any time of any variety, in any quantity for any date of shipment, write us and we will be glad to quote you.

ESTABLISHED 1784

D. LANDRETH SEED CO.

BRISTOL, PA.

Kimball

HAND POWER ELEVATORS

Fast and Safe

A most inexpensive and simple elevator to install and operate where an electric elevator is not feasible — comes sawed, drilled, fitted ready for anyone handy with tools to assemble and install.

Builders of

Hand Power
Light Electrics
Push Button
and All Types of
Electric
Elevator
Machines

WRITE FOR DETAILED INFORMATION ON

KIMBALL-ELEVATORS

KIMBALL BROS. CO.

1205-19 Ninth St. **Council Bluffs, Ia.**

4AA

FAY FLOOR MACHINES

Used by Schools, Hospitals, Office Buildings, Hotels, Clubs, Residences and other Buildings. For waxing, polishing, sanding, scrubbing and re-surfacing wood and stone floors, linoleum, etc.

JUMBO MODEL

Will do 10 to 20 times as much labor as can be done by hand. Operated from any ordinary light socket or base receptacle. Foolproof and fully guaranteed.
Equipped with motor, manufactured by the General Electric Company, Schenectady, N. Y.

FAY ELECTRIC FLOOR MACHINES are built in two sizes, and are gear driven throughout.

CHAMPION MODEL—equipped with ¼ H.P. motor, brushes 10" in diameter. Weight in operation, 55 pounds. For residential work and small floor areas.

JUMBO MODEL—equipped with ½ H.P. motor, brushes 14" in diameter. Weight in operation, 120 pounds. For large areas, and fast service on small areas.

Write us for literature, price lists and our Liberal discounts for re-sale

THE FAY COMPANY, Trow Bldg., 130 Madison Ave., New York City

Hay Unloading Tools, Dairy Barn Equipment, Weldless Chain, Hardware Specialties, Hoists, Overhead Conveyor Systems, Wire Stretchers, Etc.

A good selling, profitable line for dealers.

—Established 1879—

Ney Overhead Conveyors

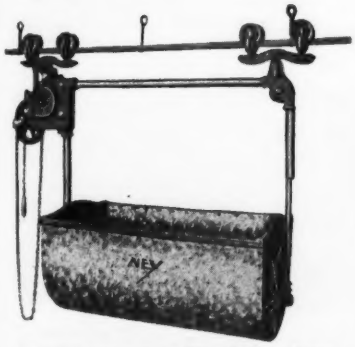
Extra strong. Swiveling trucks work freely around curves. Roller bearings or plain bearings as desired. Used with rope or chain hoists. Aluminum finish. Several sizes for loads up to 2,000 pounds, with track and switches. A complete line.

Ney Water Bowls

Are non-splashing, non-flooding and sanitary. Bowl drops down on hinge for easy cleaning. Adjustable valve for any water pressure. Can be attached to steel or wood stalls or any other suitable object. Easily installed. Several models of different price for cows, horses or other stock.

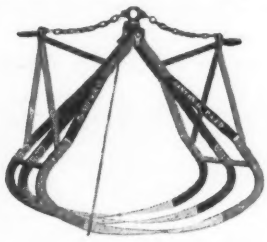
Ney Monarch Hoists

Without an equal for strength, ease of operation and positive locking. Elevate, lower, lock and unlock with one rope only. Will operate in any position. The line includes hoists for all loads, from small up to 4,000 pounds. One to three sheaves as desired. Shipped without rope unless otherwise ordered.



Ney Litter and Feed Carriers

The hoisting device is a positive worm gear working in a pocket of oil. Easily operated. Swiveling trucks permit track wheels to follow curves freely. Strong, heavy tubs, standard or large size. Convenient tripping device.



Ney Grapple Hay Forks

Made of best quality spring steel, strongly braced. Either four or six tine. Balanced so as to return to the load in closed position. Convenient handles attached by braces enable the operator to control the fork when inserting it in the hay.

Ney Weldless Chain

Brown Pattern. Ten sizes, from 5/0 to 5. Made of best steel wire. Properly formed, strong and smooth, nicely finished.

Ney Stanchions

Without an equal. A stanchion for every purse and purpose. The greatest selling line ever presented. Simple, strong, sanitary construction. Operate with one hand only. Positive locking action. Wood lined or unlined.

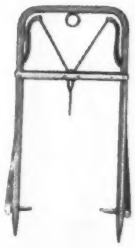
Ney Hay Fork Pulleys

Wide range of quality, size and price. Plain or roller bearing. Reinforced wood, cast iron or malleable iron frames. The largest line made.

Ney Door Hangers

Illustrating No. 40 adjustable hinge hanger for barn, garage and other doors. Adjustable to move door to or from building and up or down. Strong, durable and always satisfactory. Also a large line of other door hangers and tracks for same.

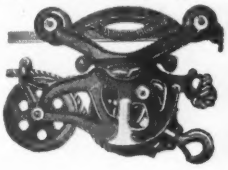
Ney Double Harpoon Forks



No. 313, standard size, 25 inches from cross brace to points. Also the largest line of single and double harpoon forks for all purposes and conditions. All of the Ney guaranteed quality.

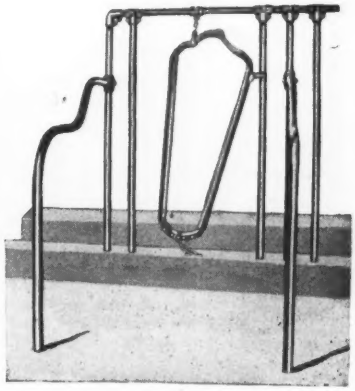
Ney Hay Carriers

This is No. 270. It has large rope sheaves in carrier and lifting pulley for easy draft. The Ney catalog shows the largest and best line of carriers on the market.



Ney Wire Stretchers

The Great Western is one of the largest selling stretchers made. Ney Wire Stretchers of tackle block and other types are provided for every requirement and at various prices.



Ney Cattle Stalls

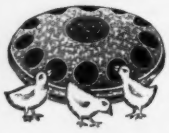
This No. 30 stall is shown with a No. 1 stanchion. The three post stall is very popular and satisfactory. The Ney line also includes various types of tie stalls as well as stanchion stalls of other kinds than the one here shown.

Write for general catalog, prices and dealers' discount.

• • The NEY Manufacturing Co., Canton, Ohio • •

Poultry Supplies

Moe's Round Chick Feeders



Popular, practical feeders or waterers in two styles, galvanized steel or tin plate. Two sizes.

No. 11—6 holes.
No. 12—8 holes.

Bottom Fill Fountains

Simple economical waterers, in galvanized steel or tin plate. Easy to fill and keep clean. Three sizes.

No. 19—Capacity 1 qt.
No. 20—Capacity 2 qts.
No. 24—Capacity 4 qts.

Dry Mash Hopper

Heavy galvanized steel, with round bottom to keep the feed within easy reach. Taper shape prevents clogging, and wire guards prevent waste. Four sizes.

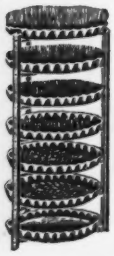
No. 35—Capacity 10 qts.
No. 36—Capacity 14 qts.
No. 13—Capacity 22 qts.
No. 37—Capacity 32 qts.

Dixie Feeders

Galvanized steel, round trough with turned in flange to prevent waste. Adjustable wire guard to keep chicks out. Two sizes.

No. 460—Length 18 in.
No. 462—Length 30 in.

Moe's Oat Sprouter



For use in a cellar or warm room. No lamp or heater required. Heavy galvanized steel frame, with galvanized steel pans, 15½ in. diameter. Pans are all perforated except the lower one which is solid to catch the water which seeps through the upper pans.

No. 450—With four pans.
No. 451—With seven pans.

Metal Egg Carriers

Made of galvanized steel, rounded corners, and constructed to absorb and resist shocks from all sides. Cardboard fillers, so each egg is fully protected.

Reversible address card in the cover, for going and return address, and space for stamps.

No. 245—Holds 2 dozen eggs.
No. 246—Holds 4 dozen eggs.
No. 247—Hold 6 dozen eggs.

Five-Foot Wire Guard Feeder

No. 356—Heavy galvanized steel, length 5 ft., holds 32 qts. of feed, wire guards and turned in flanges prevent waste. Metal stand and wood perches.

Swing Top Chick Feeder

Galvanized steel, adjusted swinging top guard, red enameled. Sliding double partition, width of pan 4¾ in., depth 2¾ in. Four popular sizes.

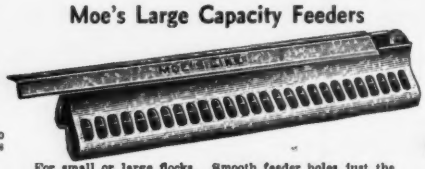
No. 458—Length 12 in.
No. 459—Length 24 in.
No. 463—Length 36 in.
No. 464—Length 48 in.

Moe's Eclipse Feeders

Galvanized steel, accurately stamped and formed. One-piece pan and sliding top. Two sizes.

No. 27—Length 10 in.
No. 28—Length 20 in.

Moe's Large Capacity Feeders



For small or large flocks. Smooth feeder holes just the right size and shape, and in just the correct position to give easy access to the feed and yet prevent waste.

No. 140—Capacity 10 qts.
No. 141—Capacity 17 qts.

Blue Flame Oil Brooder

In two styles: Hand operated, and automatic. Burn ordinary kerosene, with a clean blue flame. Easy to operate, efficient and dependable. Three sizes.

No. 225—34 in. canopy.
No. 226—42 in. canopy.
No. 227—52 in. canopy.

MOE'S LINE

A High Grade Complete Line of Poultry Equipment. Everything needed for the Poultry Raiser, and nothing better made! Write for 72 page Catalog and Prices.

HOEFT & COMPANY
INCORPORATED
MANUFACTURERS
2309 Davis St., North Chicago, Ill.

Star Fountain and Feeder

Moe's famous Star Fount for Chicks. Stamped in one piece, no seams or solder, and fits glass Mason jars. In two styles, heavy terne plate and bright charcoal tin plate.

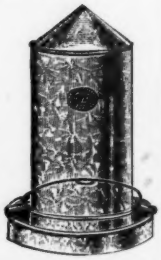
No. 32—Heavy terne plate.
No. 133—Bright tin plate.

Moe's Gem Chick Fountain

Moe's Gem, an excellent low priced chick fountain, made of galvanized steel and striped in attractive red enamel. The fluted pan will care for up to 18 chicks at a time. Two styles, Flat and Cone Top. Two sizes.

No. 158—Capacity 1 gal.
No. 159—Capacity 2 gal.

Cleanable Top-Fill Fountain



Moe's Top-Fill Fountain, with double walls which keep the water cool in summer and retard freezing in winter. Fills at the top and as easily cleaned as an ordinary pail. Feeds the water automatically. Heavy galvanized steel. Two sizes.

No. 33—Capacity 2 gal.
No. 34—Capacity 4 gal.

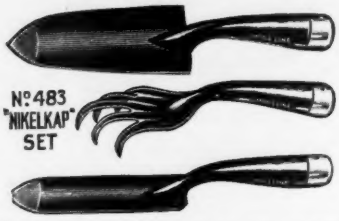
Aluminum Leg Bands

No. 130 Bands. Adjustable to fit any size fowls, and put up in assortments as desired, numbered from 1 to 9999.

Moe's Poultry Punch

No. 39—Scissor Type. For marking chicks by punching a clean hole in the web of the foot. Cuts clean without pinching.

Moe's Steel Garden Tools



Trowels and Weeders formed of one piece of heavy pressed steel, with a nickel plated cap on handle, finished in colored enamel. Packed in handsome display boxes that will appeal to your customers.

No. 483—3-piece set.
No. 484—4-piece set.

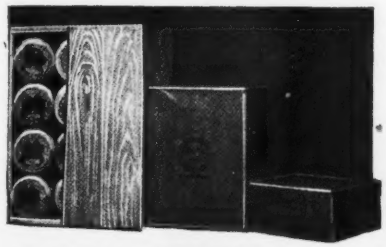
Many other styles shown in our catalog.

SAFETY FUSE

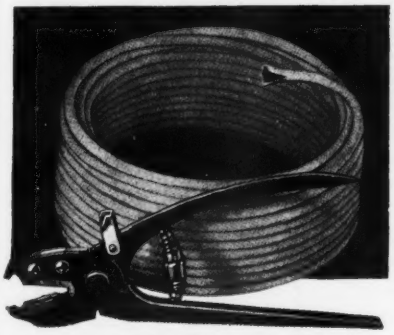
THE ENSIGN-BICKFORD COMPANY, SIMSBURY, CONN., U. S. A.

Established 1836. Original manufacturers of Safety Fuse for Blasting. Products noted for uniform quality. Also manufacturers of Cordeau-Bickford, the detonating fuse that has made giant blasting practicable.

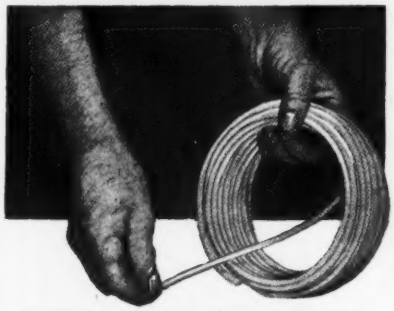
Two typical 50 ft. coils of Ensign-Bickford Safety Fuse. Each coil is wrapped in paper bearing the trade-mark and brand name.



Typical wooden case containing 6,000 ft. and fibre cartons containing 3,000 ft. and 1,000 ft. respectively.



Fuse Cutter and Cap Crimper tool. Notice the slit end in the fuse formed with this tool.



To remove the required length from a coil, draw the inside end through the coil. This method will avoid the tendency to recoil or kink and will leave the remainder of the coil undisturbed.

THE ENSIGN-BICKFORD CO. SAFETY FUSE EST. 1836 SIMSBURY, CONN.

SAFETY FUSE

BRANDS:

SINGLE TAPE: For use in damp work.

DOUBLE TAPE: For use in wet work. Taped fuses are more generally used in coal operations.

BEAVER BRAND: For use in damp work.

CHARTER OAK BRAND: For use in wet work; a very good general purpose fuse.

FOR AGRICULTURAL PURPOSES

GRAY CHARTER OAK BRAND: For use in very wet work; this fuse combines a high degree of flexibility with excellent waterproofing qualities. It will meet all the requirements of agricultural blasting, quarrying or mining.

FOR MINING PURPOSES

CRESCENT BRAND: For use in very wet work; this is one of our standard mining fuses taped and double countered.

CLOVER BRAND: For use in very wet work or where considerable water pressure is encountered. The volume of smoke given off when burning is somewhat less than on the other brands. Clover Brand is not easily affected by extreme climatic changes or long storage.

Particular attention given to fuses to meet special requirements.

Quotations Furnished on Application

HOW PACKAGED

Safety Fuse is coiled in 50 ft. lengths, and two coils are nested together to form packages of 100 ft. each. These packages are packed in standard boxes made of fibre, clearly marked as to brand and quantity for convenience in storage.

The cases shown at the left are the 6,000 feet wooden case, 3,000 feet fibre and 1,000 feet fibre.

For export shipments, we are prepared to pack fuse in water-tight tin cans, containing 500 feet each, and snugly packed in iron strapped wooden cases. Some export shipments are also packed the same as for domestic use except the wooden case is made of heavier material, iron strapped, and lined with tarred paper.

ACCESSORIES

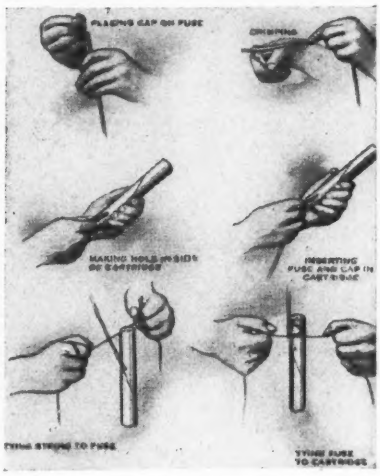
FUSE CUTTER AND CAP CRIMPER

Combines in one tool (1) a fuse cutter with blade easily removed for sharpening. Cuts the fuse squarely across; (2) a fuse slitter which cuts through the fuse covering, exposing the core for easy lighting; (3) a broad jaw crimper; (4) a wire cutter; (5) a powder punch; (6) a screw driver. Equipped with spring return and locking device; and the entire tool is no larger than an ordinary pair of pliers.

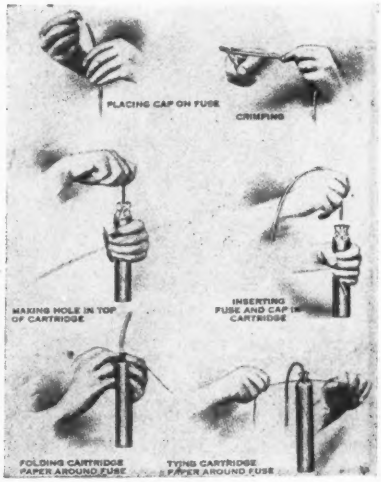
PULL WIRE FUSE LIGHTER

In this lighter the ignition flame and end spit are confined within the tube, making it especially valuable for use in underground mining. It consists of a stout paper tube 4 inches long and of sufficient diameter so that the end of the fuse may be inserted easily. The fuse is inserted in the tube and is held in position by a pronged clip at the open end.

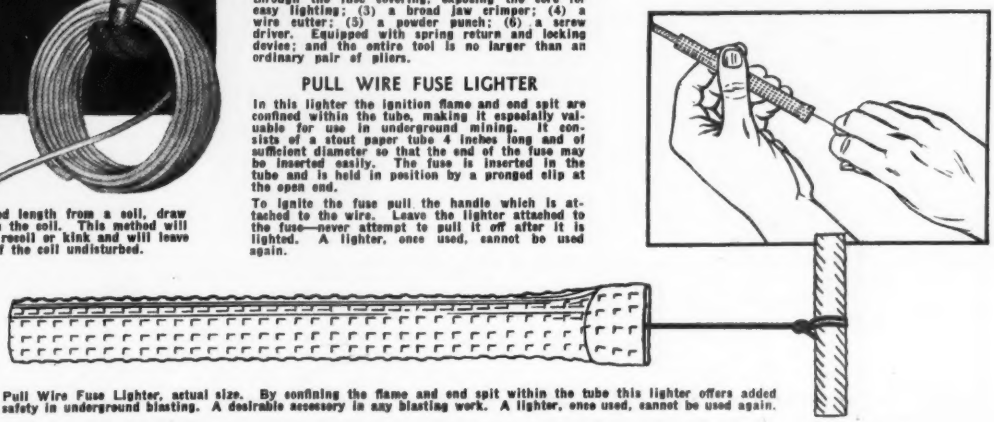
To ignite the fuse pull the handle which is attached to the wire. Leave the lighter attached to the fuse—never attempt to pull it off after it is lighted. A lighter, once used, cannot be used again.



Correct method of priming a cartridge in the side.

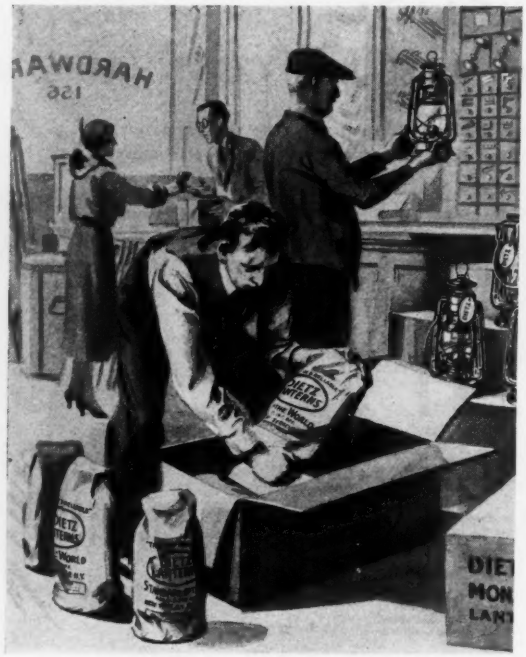


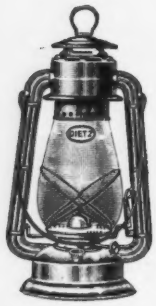
Correct method of priming a cartridge in the top.



Pull Wire Fuse Lighter, actual size. By confining the flame and end spit within the tube this lighter offers added safety in underground blasting. A desirable accessory in any blasting work. A lighter, once used, cannot be used again.

DIETZ





Dietz "Junior" Lantern
COLD BLAST

12 Inches High. ⅝ Inch Wick. "Junior" Globe. Steel Burner No. 201. 6 C. Power. Burns 15 Hours. Bright Tin with Terne Plate Bottom, Brass or Brass Nickel-Plated.

Dietz "Little Wizard"
COLD BLAST

11½ Inches High. ⅝ Inch Wick. "Little Wizard Loc-Nob" Globe. Steel Burner No. 201. 6 C. Power. Burns 30 Hours. Bright Tin with Terne Plate Bottom. Can be furnished with brass fount and top.

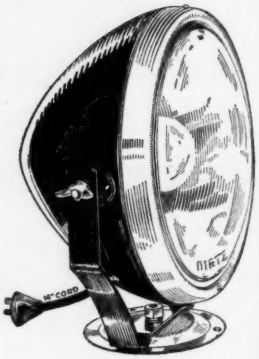
Now is the time to stock DIETZ Lanterns for Fall and Winter Trade

Dietz No. 2 "D-Lite" Lantern
COLD BLAST

13¼ Inches High. 1 Inch Wick. "D-Lite Loc-Nob" Globe. Steel Burner No. 262. 10 C. Power. Burns 35 Hours. Bright Tin with Terne Plate Bottom. Can be furnished with brass Fount and Top.

Dietz "Little Giant"
COLD BLAST

A Long-Burning Lantern Liked by Contractors. 11½ inches High. ⅝ Inch Wick. "Little Wizard Loc-Nob" Globe. Steel Burner No. 201. 6 C. Power. Burns 70 Hours. Bright Tin with Terne Plate Bottom.



DIETZ ECONOMY FLOODLIGHT

Floodlights are now widely used by home owners as well as in industry. Dietz Economy Floodlight meets the popular requirement for enduring, weather resisting construction, improved lighting power and low price. It is a profitable item for the hardware trade.

SPECIFICATIONS

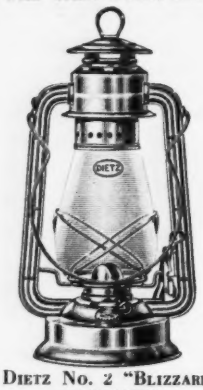
BODY: Diameter, 10⅞ inches. Depth, 9 inches.
LENS: Convex Plain Glass, 9-13/16 inches diameter.
BULB: 100 watt, 115 volts. The user can substitute a 32 volt or a 220 volt bulb, if necessary.
WIRING: Equipped with 14-inch Rubber Covered Wire and Weather-Proof Grommet.
BRACKET: Universal Type, permitting lamp to be tilted or turned to point in any direction desired.
FINISH: Steel Body, Black Enameled, with Cadmium Plated Door Rim, Base and Mounting Nuts.
NOTE: As extra equipment, a Portable Standard is furnished to mount the Economy Floodlight for indoor use, also an Angle Bracket for mounting on trees or walls.

DIETZ GARAGE FLOODLIGHT

Same as Economy Floodlight, except that lamp is mounted on a 12" round metal platform, fitted with swiveled, roller bearing casters, which permit rolling about the floor, under cars, etc. Also has carrying handle and wire guard. Finished in Red Enamel and Cadmium Plate.

Dietz No. 2 Large Fount "D-Lite"
COLD BLAST

13¾ Inches High. 1 Inch Wick. "D-Lite Loc-Nob" Globe. Steel Burner No. 262. 10 C. Power. Burns 48 Hours. Bright Tin with Terne Plate Bottom.



Dietz No. 2 "Blizzard"
COLD BLAST

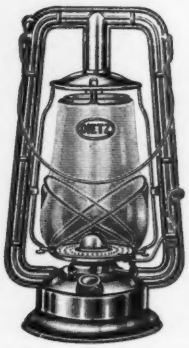
14¾ Inches High. 1 Inch Wick. "Fitzall Loc-Nob" Globe. Steel Burner No. 262. 10 C. Power. Burns 35 Hours. Bright Tin with Terne Plate Bottom. Can be furnished with Brass Fount and Top.

Dietz No. 2 Large Fount "Blizzard"
COLD BLAST

15 Inches High. 1 Inch Wick. "Fitzall Loc-Nob" Globe. Steel Burner No. 262. 10 C. Power. Burns 48 Hours. Bright Tin with Terne Plate Bottom.

DIETZ HAND LANTERNS HAVE RUST RESISTING TERNE PLATE BOTTOMS

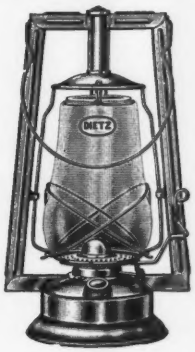
LANTERNS



Dietz "Monarch"

HOT BLAST

13½ Inches High. ⅝ Inch Wick. "Fitzall Loc-Nob" Globe. Steel Burner No. 411. 4 C. Power. Burns 30 Hours. Bright Tin with Terne Plate Bottom.



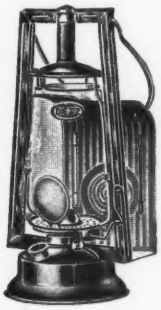
Dietz "Victor"

HOT BLAST

13½ Inches High. ⅝ Inch Wick. "Fitzall Loc-Nob" Globe. Steel Burner No. 411. 4 C. Power. Burns 30 Hours. Bright Tin with Terne Plate Bottom.

A Sure Light in a Storm

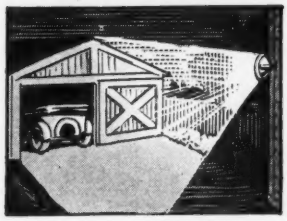
Floodlighting for Contractors



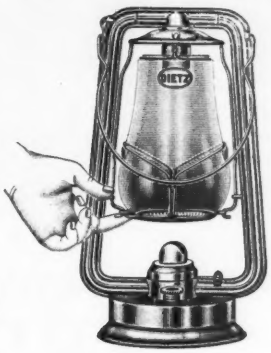
Dietz "Buckeye" Dash Lantern

HOT BLAST

13¼ Inches High. ⅝ Inch Wick. "Fitzall Loc-Nob" Globe. No. 411 Steel Burner. 10 C. Power. Burns 30 Hours. Tin with Terne Plate Bottom. Black enamel finish.



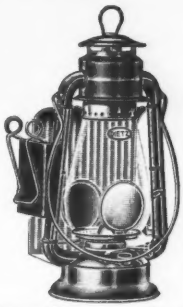
Lighting Driveways, Gardens, etc.



Dietz "Hy-Lo"

HOT BLAST

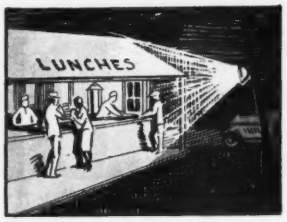
13½ Inches High. ⅝ Inch Wick. "Fitzall Loc-Nob" Globe. Steel Burner No. 421. 4 C. Power. Burns 20 Hours. Bright Tin with Terne Plate Bottom.



Dietz "Junior" Wagon Lantern

COLD BLAST

Has Ruby Rear Signal. 12 Inches High. ⅝ Inch Wick. "Junior" Globe. No. 201 Steel Burner. 10 C. Power. Burns 15 Hours. Tin with Terne Plate Bottom. Black Enamel Finish. Order right or left hand as wanted.



Floodlighting to Attract Motorists

Dietz No. 96 Torch

Capacity, 3 Qts.; Burns more than 36 hours; Height, 7½"; Diameter, 7¾"; Wick, ⅞". Has a weighted bottom which causes it to return to position if tipped over. Fitted with Dietz ALL-Weather Burner, Carrying Loop, Automatic Lock and Adjustable Rain Shield. Finished in Red Enamel.

DIETZ ROADSIDE TORCHES

Dietz No. 80 Torch

Capacity, 2½ Qts.; Burns more than 30 hours; Height, 6"; Diameter, 7¾"; Wick, ⅞". Has curving fender sides and is not weighted. Fitted with Dietz ALL-Weather Burner, Carrying Loop, Automatic Lock and Adjustable Rain Shield. Finished in Red Enamel.

Making Highway Signs Talk

Makers of Lanterns for the World Founded 1840

R. E. DIETZ COMPANY
NEW YORK

Output Distributed Through the Jobbing Trade Exclusively

The BOSTON Line of

STANDARDIZED RUBBER GOODS

for the

HARDWARE TRADE

BOSTON WOVEN HOSE & RUBBER COMPANY

BOSTON WOVEN HOSE AND RUBBER COMPANY TRADE MARK

The BOSTON *Line*

The idea of selecting a good line of garden hose and concentrating on it is a sound merchandising principle.

1. **Your working stock is smaller and cleaner than one made up from several different lines.**
2. **Such stock allows the smallest possible investment.**
3. **It insures a more frequent turnover of your money.**
4. **There is less liability of overstock.**
5. **There is less chance of miscellaneous tail ends of stock to be carried over to the next season or written off at a sacrifice.**

The Boston Line of Garden Hose has made friends the country over and is the largest selling Garden Hose line on the market. Thousands of hardware merchants are selling the Boston line and making a splendid profit on their garden hose investment. All the eloquence in the world hasn't half the appeal of good goods at fair prices.

BOSTON WOVEN HOSE & RUBBER CO.

Makers of Quality Rubber Goods for Fifty Years

Works: Cambridge, Mass. Postal Address Box 5077, Boston, Mass. U. S. A.

The BOSTON Line

THE BOSTON NOZZLE

The Boston Nozzle is thirty years old. It has been copied and imitated but never equalled. It is sold on its merits.

The nozzle comes in full color lithographed display package, each nozzle packed in a separate carton and twelve nozzles in the handsome display container shown here.

The market is flooded with lightly made nozzles. The slightly higher price of the genuine heavily made Boston will not cost you one sale to a single intelligent customer.

GOOD LUCK HOSE WASHERS

Good Luck Garden Hose Washers are tough, alive and springy. Instead of getting hard and shrinking and falling out of the coupling, they stay soft and hold firmly in place, saving the time and temper caused by a leaky connection or a missing washer.

1 dozen in carton, 24 cartons (2 gross) in display container, 6 containers (12 gross) or 24 containers (48 gross) in shipping case.

BOSTON WOVEN HOSE & RUBBER CO.

Makers of Quality Rubber Goods for Fifty Years

Works: Cambridge, Mass. Postal Address Box 5077, Boston, Mass. U. S. A.

The BOSTON Line

Six of these counter containers come packed in a case of stout fiber, a convenient form of packing for jobber and retailer. Shipping weight, 29 lbs.

BULL DOG TAPE

BULL DOG friction tape not only sticks, but sticks fast, lies smooth and holds tightly. It is a splendid insulator. It keeps out water and prevents the passage of electricity. Bull Dog stays fresh in the roll and remains "tacky" and alive because there is plenty of live rubber in it.

Many friction tapes which are sticky and full of life when new, dry out and become useless after they have been applied for any considerable time. This is especially true if the location is exposed to changes of temperature or weather. Bull Dog tape lasts well even under unfavorable conditions. Careful aging tests in our laboratories insure the permanence of work done with Bull Dog.

GOOD LUCK JAR RUBBERS

GOOD LUCK. This is the rubber known and used by millions of housewives as well as by canning teachers, demonstrators and other authorities on canning. The original cold pack rubber advertised regularly and consecutively for over a dozen years. The most widely known jar ring on the market.

Counter Container made of stout cardboard to contain two gross of GOOD LUCK rubbers. Attractive and colorful, a genuine selling help in the store, indispensable at canning time.

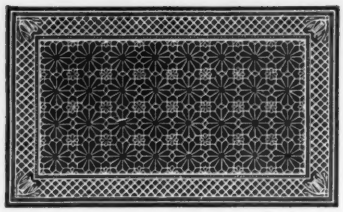
In 4 sizes: 1 oz., 2 oz., 4 oz. and 8 oz. rolls. All in display containers as shown.

BOSTON WOVEN HOSE & RUBBER CO.

Makers of Quality Rubber Goods for Fifty Years

Works: Cambridge, Mass. Postal Address Box 5077, Boston, Mass. U. S. A.

The BOSTON Line



TIGER VESTIBULE MAT

Size 18" x 30". Maroon or Black.
A real $1.50 value for $1.00 retail.

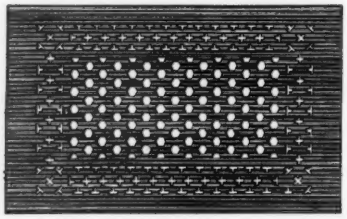
TIGER VESTIBULE MAT

Here is a splendid door mat—heavy rubber, tough and springy, long-lived and wear-resisting. Note the fancy pattern designed to catch the mud and dirt from the shoes at any angle of contact. Every home needs at least one good floor mat.

At the new low consumer's price of $1.00 the Tiger Mat is economical and because of its quality it is practically indestructible.

EVERKLEAN DOOR MAT

The real doorway mat for cleaning the feet is a perforated mat. Everklean perforated mats are luxuriously thick and will wear for years. They are easily cleaned and present a splendid appearance on any doorstep.



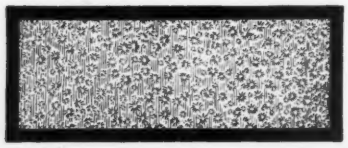
EVERKLEAN DOOR MAT

Size 18" x 30" Maroon or Black.
Note the extra heavy corrugations.

DRIP MAT

Every modern housewife appreciates an attractive kitchen. All rubber Drip Mats save wear and tear on kitchen floor coverings. Made in four colors—blue, black, green and maroon, matching every color scheme and harmonizing with all patterns of linoleum.

Put one in front of the sink, another in front of the stove, etc. Rubber Drip Mats are easy to stand on, easy to clean and enhance the appearance of any kitchen.



DRIP MAT

Size, 15" x 40". Fancy pattern non-skid back. Used to stand on in front of sink or stove. SAVES LINOLEUM.

BOSTON WOVEN HOSE & RUBBER CO.

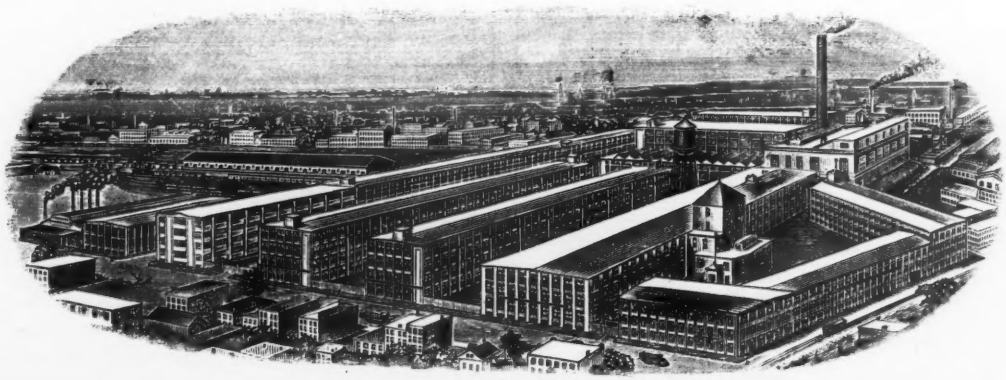
Makers of Quality Rubber Goods for Fifty Years

Works: Cambridge, Mass. Postal Address Box 5077, Boston, Mass. U. S. A.

The BOSTON Line

The Boston Woven Hose & Rubber Co., at its plant in Cambridge, Mass., the largest factory in the world devoted exclusively to the manufacture of mechanical rubber goods, produces all the items listed in the foregoing pages.

The Boston line of standardized rubber goods has served the Hardware trade continuously for more than 50 years. If you are not stocking all the items listed in the four preceding pages, we believe it will be distinctly to your advantage to get samples and prices on these fast selling lines immediately.



BOSTON WOVEN HOSE & RUBBER CO.

Makers of Quality Rubber Goods for Fifty Years

Works: Cambridge, Mass. Postal Address Box 5077, Boston, Mass. U. S. A.

IMPERIAL

HARDWARE SPECIALTIES INCREASE SALES AND PROFITS

LAWN EDGE TRIMMER No. 136

A practical tool needed by every home owner. Quickly trims all over-hanging grass along the edges of a sidewalk. Will trim the grass along the curbing of an 80 ft. walk in 20 minutes. Plows a clean "U"-shaped trench, delivering the cutting on the walk—automatically as Trimmer is pushed along. Leaves a neat drainage for water. No other tool like it. Weight per doz. 40 lbs.

WEED PULLER No. 95

A scientifically constructed weed puller with an easy grip handle. Removes all weeds from a garden or lawn. Easy to operate—tool is pushed down close to weed at an angle of 95 degrees until below the root—tool is then pushed toward weed—a pull straight up removes weed and root without damaging lawn. Made of high grade steel, finished in black enamel. Packed one doz. in carton, weight 25 lbs.

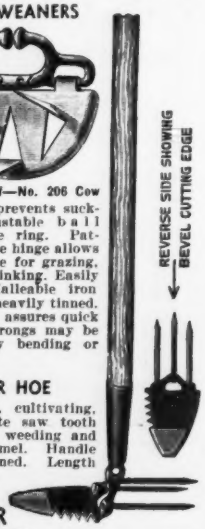
NO-KICK COW HOBBLE No. 400

Reichert's No-Kick Cow Hobble will not chafe the cow's legs. It is humane—no chains to get tangled up, or cut the cow's legs. Confines the cow's tail as well as the legs. Slips on and off in a jiffy. Makes milking an easy job. Made of high grade band steel, finished in black japan, equipped with best quality Manila rope.

ANTI-SUCK, CALF AND COW WEANERS

No. 203 Calf—No. 204 Cow
Same construction and efficient operation as No. 205 and No. 206, except that the prongs are (dull disk type)—more modified for use in weaning the average cow or calf. Be sure to order by number to insure getting the desired style weaner.

No. 205 Calf—No. 206 Cow
Positively prevents sucking. Adjustable ball tipped nose ring. Patented double hinge allows natural ease for grazing, eating or drinking. Easily applied. Malleable iron and steel, heavily tinned. Prong type assures quick results. Prongs may be modified by bending or cutting.



COMBINATION CULTIVATOR HOE

A "Six-in-one tool"—used for hoeing, cultivating, dandelion cutting, dandelion rake (note saw tooth blade), drill digger for sowing seeds, weeding and many other uses. Finished in red enamel. Handle 1¼" diam., 4½" long. Straight grained. Length of cultivator teeth, 4"; Hoe blade 3½" long. Weight per doz., 27 lbs.

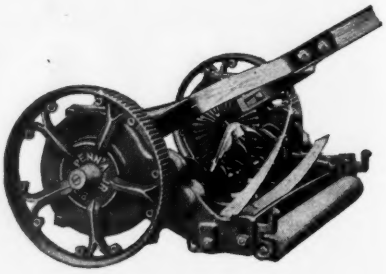
IMPERIAL THISTLE WEANER

No. 245

Positively prevents sucking. Ball-tipped nose ring, locked by spring steel cotter pin. Made of high grade malleable iron, heavily tinned. 3 sizes: No. 1 for calf, No. 2 for yearling, No. 3 for cow. In ordering state which size is desired.

Write for complete catalog prices and discounts.

IMPERIAL BIT & SNAP CO.
RACINE WISCONSIN



Profit by the prestige of PENNSYLVANIA Mowers

PENNSYLVANIA Quality Lawn Mowers have been acknowledged for many years as distinctly superior. Other things being equal, your customers will prefer to buy these mowers because they know they can be depended upon for clean cutting, ease of operation and the long life that means economy in the end.

Price readjustments and the introduction of low-priced models make the PENNSYLVANIA Quality line your best opportunity to build a bigger and more profitable mower business. You can now meet any price competition with a mower that has something more than price to recommend it.

Pennsylvania Junior
Great American
Wm. Penn—all steel
Red Cloud **Delta**
Penna-lite **Invader**
Orchid **Klifton**

These great mowers meet every requirement. A type for the most particular gardener or the man who wants a thoroughly good grass cutter at a moderate price.

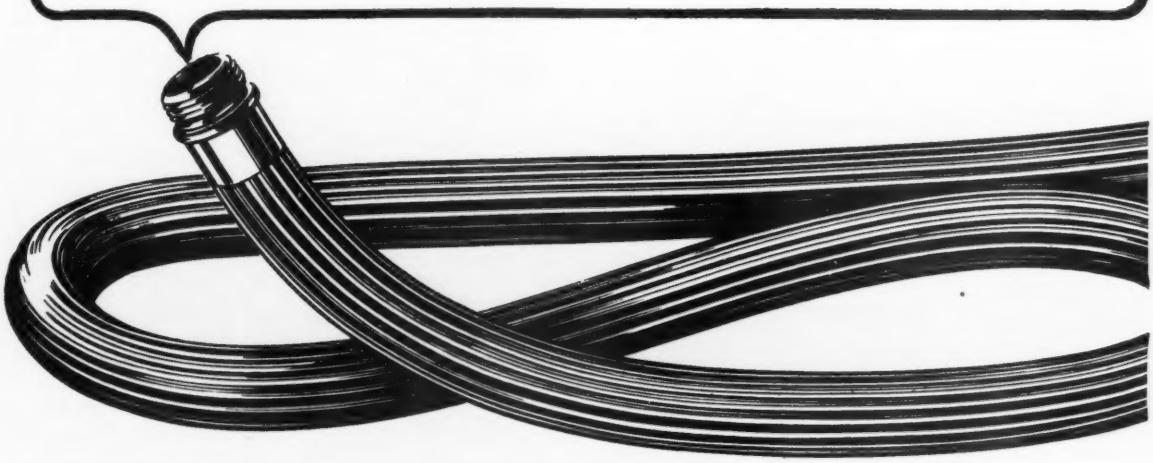
You can get a PENNSYLVANIA Quality lawn mower, with the PENNSYLVANIA name on the handle, to retail for as low as $5.

PENNSYLVANIA LAWN MOWER WORKS
Primos, Delaware County, Pa.

A NEW AND BETTER PROPOSITION FOR DEALERS

The "U. S." line of lawn hose gives "U. S." dealers EVERYTHING required to insure a profitable volume. QUALITY—no finer hose made than "U. S." Royal Cord, Rainbow and Neptune—MADE WITH COTTON CORD REINFORCEMENT TO INSURE LONGER LIFE. PRICE—a strong appeal to buyers, an effective weapon against competition. SALABILITY—eye and pocketbook appeal. GUARANTEE—the reputation of the world's largest producer of rubber. NATIONAL ADVERTISING—a skillful and powerful attack on potential customers . . . . many right in your own locality.

For complete information about this new and better lawn hose proposition, write to any "U. S." branch or to the United States Rubber Company, 1790 Broadway, New York, N. Y.



"U.S." *lawn* HOSE

UNITED STATES RUBBER COMPANY US TRADE MARK

ATLANTA
BALTIMORE
BIRMINGHAM
BOSTON
BUFFALO
CHICAGO
CINCINNATI
CLEVELAND
DALLAS
DENVER
DETROIT
INDIANAPOLIS
KANSAS CITY
MILWAUKEE
MINNEAPOLIS
NEW ORLEANS
NEW YORK
OMAHA
PHILADELPHIA
PITTSBURGH
ST. LOUIS
SYRACUSE
LOS ANGELES
PORTLAND
SALT LAKE CITY
SAN FRANCISCO
SEATTLE
MEMPHIS
SPOKANE

SHERMAN BRASS HOSE GOODS

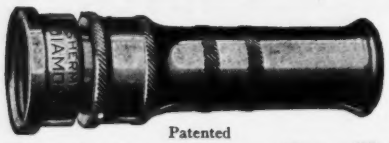
Fig. 75 (Pat. Applied For)

SHERMAN PORTABLE SPRAY HEAD

Nationally advertised. Low priced. Connects with standard size hose in series and creates a portable lawn sprinkling system equal to highest priced systems. SOLID BRASS, heavily nickeled. No adjusting, cannot tip over, covers wide area, will not damage tenderest plants, or finest lawns. Attractive free counter display cards in several colors. Creates extra sales of hose and fittings.

Packed in cartons of four spray heads with TWO end caps which will probably comprise the individual purchase of the typical customer. Made only for ¾ Hose Thread—Weight per dozen approximately 7 lbs.

Shows hose connected in series to create a movable and Flexible lawn sprinkler system

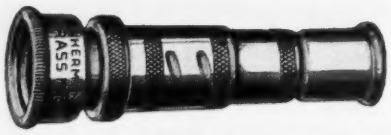


SHERMAN DIAMOND Hose Nozzle

Patented

The leader for many years. Heavy Wrought Brass. Big smooth waterway. Pilot holds spray point central insuring uniform spray. Combines spray, straight stream and shut off. In dozen cartons, 12 dozen in Special Shipping Case. Weight Approx. 55 lbs.

SHERMAN BRASS KING Hose Nozzle



Patented

Lowest priced, thoroughly practical nozzle on the market. Meets all competition. Wrought brass, light, strong, positive in operation. Combines spray, straight stream and shut off. In dozen cartons, 12 dozen in Special Shipping Case. Approx. weight 35 lbs.

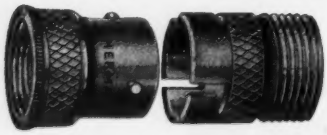
SHERMAN HOSE CLAMP

The universal standard for over 35 years. Made of heavy Wrought brass, —rust proof.

Tongue runs in channel holding it close to hose assuring uniform grip. Pliable in band portion, grips tight and can be opened up, removed and used again. Stiff ears cannot pull together at top when tightened. Ears also form perfect nut lock. Heavy shoulder to engage vise jaws, permitting clamp to be pulled tremendously tight. Packed in doz. lots—1 gross in carton. Specify *outside* diam. of hose.

SHERMAN Hose Coupling

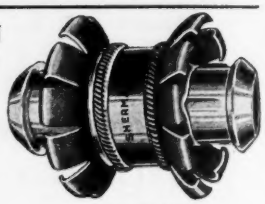
Best known. Used in most factory-coupled hose. Wrought brass —die cut threads. Standard weight—full length tails. ⅜, ½, ⅝, ¾ and 1 inch sizes—in cartons—approx. wgt. per doz. 2 lbs. ¾ in. and smaller in plain brass or white nickel.



SHERMAN Snap Coupling

A simple, practical snap coupling at a low price. Uses regular garden hose washer. Wrought brass—die cut thread. No costly, special packing needed. ¾ in. thread—in cartons—approx. wgt. per doz. 2½ lbs.

SHERMAN Clinching Hose Type Mender and Coupling



MENDER

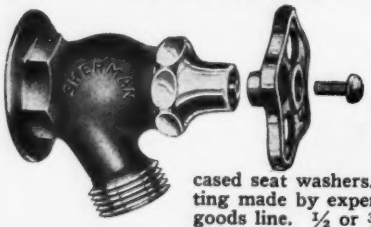
Heavy wrought brass with cadmium plated steel clinching fingers. ½, ⅝, ¾ and 1 in. sizes. Cartons of two dozen. Weight per gross ¾"—18 lbs.

COUPLING

Same construction and sizes as Menders. Cartons of one dozen. Weight per gross ¾"—36 lbs. Price of female half only of hose couplings, two thirds of complete set. Male half only, one-half of complete set.

SHERMAN WATER THIEF

Permits attaching a hose when hose bibb or sill cock is not available. May be attached to plain bibb or faucet, without tools—holds fast. Two sizes to fit ½ in. and ⅝ in. bibbs, ¾ in. hose thread.



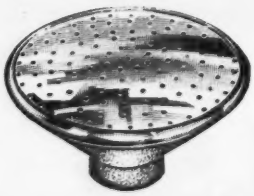
SHERMAN Lawn Faucet

No. 519 shown—convertible wheel handle or loose key type. Wrought brass, with encased seat washers. A fine sturdy fitting made by experts in the plumbing goods line. ½ or ¾ in. thread, rough N.P.

SHERMAN BARREL FAUCET

Lock Lever—Ground Key Rf. Brass, ⅝ inch oversize, ¾ I.P. Thread. A fine article carefully made of improved design with brass Handle.

Fig. 105



SHERMAN ROSE or Hothouse Sprinkler

A complete line in all types.

SHEET BRASS

2 in. Face, ⅜ I. P...3 in. Face, ¾ Ho.
2¾ in. Face, ¾ Ho...4 in. Face, ¾ Ho.

CAST BRASS BASE

3 in. Face, ¾ Ho...4 in. Face, ¾ Ho.

Sherman Hose Goods are Sold through Jobbers. Send for Catalog of our Complete Line.

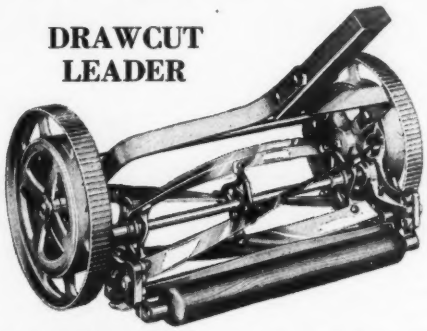
H. B. SHERMAN MFG. CO. **Battle Creek, Mich., U. S. A.**

BLAIR 1933 LAWN MOWERS

All Blair Lawn Mowers are made from the finest materials, and the parts are machined on jigs and fixtures, insuring accuracy and interchangeability. The adjusting screws are machine cut and case hardened, insuring accurate threads and durability. All operate on the scientific, clean shearing, self-sharpening *Drawcut* principle used in *Blair* Lawn Mowers exclusively.

The Blair Line is complete and will satisfy the wishes of every customer no matter what price, quality or style he may want.

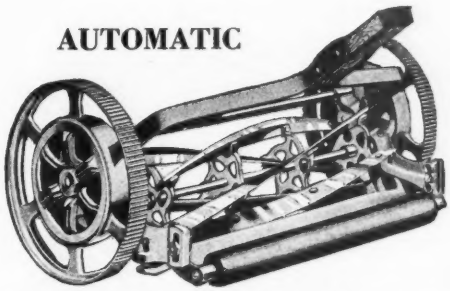
DRAWCUT LEADER



Light weight, well made, low priced mowers, equipped with automatically adjusted ball bearings. Sizes: 14, 16 and 18 inch cut. Four models as follows:

10″ wheels, 5 blades
10″ wheels, 4 blades
9″ wheels, 4 blades
8″ wheels, 4 blades

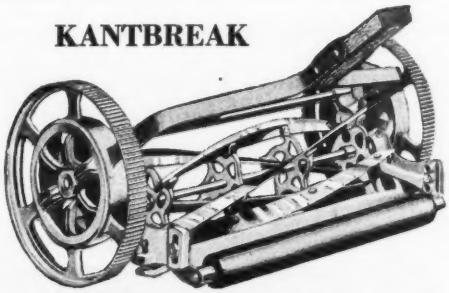
AUTOMATIC



Exceptionally high grade, light weight mowers, equipped with automatically adjusted Fafnir Ball Bearings. Sizes: 14, 16, 18 and 20 inch cut.

11″ wheels, 5 blades
10″ wheels, 5 blades
10″ wheels, 4 blades
9″ wheels, 4 blades

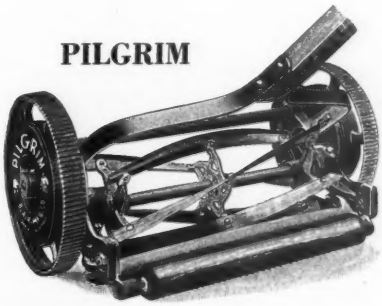
KANTBREAK



The unbreakable mower equipped with automatically adjusted Fafnir Ball Bearings.

11″ wheels, 5 blades
Sizes: 16, 18 and 20 inch cut.

PILGRIM



Sturdy, efficient mower for fine lawns, estates, parks.

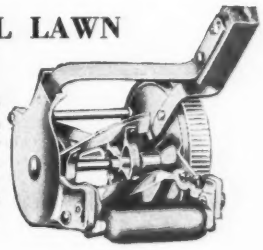
11″ wheels, 5 blades
Timken Roller Bearings
Sizes: 16, 18 and 20 inch cut.

BLAIR JUNIOR

A miniature lawn mower which will cut grass efficiently. Handy for small lawns or trimming. Can be sold in toy department at Christmas.

8″ wheels, 3 blades. Automatically adjusted Ball Bearings. 8″ cut.

UNIVERSAL LAWN TRIMMER



One eight inch wheel. Four *Drawcut* blades, automatically adjusted ball bearings. Small, compact and cuts to within 3/16″ of its end. One size: 6 inch cut.

All Blair lawn mowers are identified by the *green Blair label on the handle.*

ESTABLISHED 1879

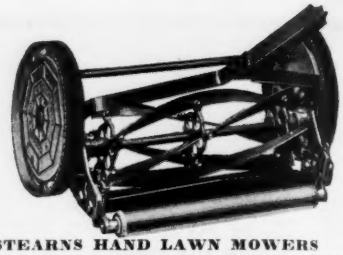
BLAIR MANUFACTURING CO., SPRINGFIELD, MASS.

STEARNS HARDWARE AND LAWN MOWERS

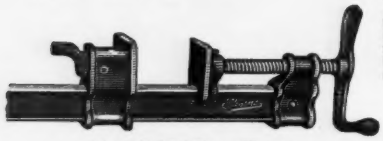
No. 61-A Screw Clamp
Malleable iron frame, steel screw. Steel folding handle is the latest improvement, permitting operator sufficient leverage without use of wrench. Sizes: 2½" to 12".

No. 795-B Saw Set
A popular priced pistol grip saw set for hand saws. Can furnish other styles for hand and cross cut saws.

Cement Worker's Tool
Can furnish a complete assortment of Cement Worker's Tools.



STEARNS HAND LAWN MOWERS
The one illustrated is Model 205. The line includes eleven styles with 8, 10 and 11-inch wheels—both open and closed type construction. Price and quality are so combined as to make Stearns mowers the line of unsurpassed merchandising value.



No. 22 "I" Bar Clamp
A strong and durable clamp from "I" bar steel. Sizes: 2' to 7'. Can furnish several other styles.

"Krackit" Nut Cracker
A convenient quick acting hand nut cracker for pecans and other nuts. Furnished in four different finishes.

Lockfast Oil and Molasses Gates
All gates given special gasoline test. Made with wood and iron pipe thread. Can also furnish Perfection Pattern. Sizes: ½" to 6".

STEARNS POWER MOWERS
The one illustrated is Stearns No. 2—18-inch cut—powered by Briggs & Stratton—priced to retail at $117.50. Nos. 1 and 3 are priced to retail at $97.50 and $137.50, respectively.
The mechanical simplicity of these machines permits them to be started and operated by anyone without previous experience and without instruction. Add to this prices in step with the times, and you have something new wherewith to do business.

Complete Lawn Mower Catalogue On Request

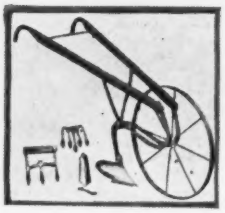
E. C. STEARNS & CO.
SYRACUSE NEW YORK

The GEYER Line
HOES, RAKES and CULTIVATORS

Geyer Tools carry an absolute guarantee. They are a thoroughly high grade product and will give long service. Handles on each tool receive special attention. They are carefully waxed and sanded by a special process. Just a few of the line are illustrated. We will gladly send on request complete information and prices on all our products. Write us.

No. FG-6½ Field and Garden Hoe.
A highly polished blade especially formed and hand sharpened. Excellent design. Blade 6½ in. wide, 4½ in. deep. Capped ferrule, bronze finish. Weight per dozen, 25 lb.

No. 14 and 16. Garden and Lawn Rake.
A rake that works equally well in garden or lawn. Spring steel bows welded to highest grade malleable iron head. Fitted with fine waxed handle. Capped ferrule, bronze finish. Made in 14 and 16 Tooth sizes. Weight per dozen—14 Tooth, 40 lb. Weight per dozen—16 Tooth, 45 lb.

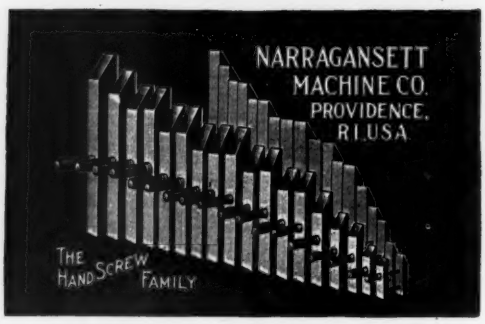


No. 50. Wheel Cultivator
Built for easy and efficient operation. Handles adjustable to any desired height. 24 in. wheel, rigidly built. Axle fitted with steel bushing which eliminates wabble. Three tools are furnished. A well designed Mold Board, Reversible Double Pointed Shovel. 5 prong weeder.—Combination Scuffle Hoe and Weeder extra.

GEYER MANUFACTURING CO.
ROCK FALLS, ILLINOIS

There is always PROFIT for the store that stocks a complete line of

NARRAGANSETT HAND SCREWS



ALSO CABINET MAKERS CLAMPS
CHALK LINE REELS
FILE HANDLES
COIT BALL BEARING DRILL CHUCKS
"LIVE-WOOD" TENNIS RACKETS

NARRAGANSETT MACHINE CO.
Providence, R. I., U. S. A.

SELL THE HOSE THAT PEOPLE BUY

You can select a complete stock of highest quality hose—for every need and purse—from the complete line of Goodyear Lawn and Garden Hose.

The Goodyear line includes Goodyear Emerald Cord—widely recognized as the finest and most beautiful hose in the world—Goodyear Wingfoot, Goodyear Glide, and Goodyear Pathfinder — every hose built with a cotton-cord carcass.

Whatever your customers want in good hose, you can assure them of extra-quality, extra-value and extra-certainty of long, economical hose life in Goodyear Hose. Nationally advertised by Goodyear and in demand at all seasons and wherever good hose is bought.

THE GREATEST NAME IN RUBBER

GOODYEAR

THE KLEEN SWEEP LAWN RAKE

Has All the

GOOD FEATURES OF BAMBOO WITH ADDED STRENGTH AND FLEXIBILITY

Just Look at These Features:

1. Thirty-two teeth made of high carbon spring steel specially treated. (Also made with eleven or thirty-eight teeth if desired.)
2. Handle securely riveted to the head and held in place by steel brace with three points of contact.
3. Choice of hardwood or fir handles.

KLEEN SWEEPS ARE CARRIED IN STOCK BY JOBBERS EVERYWHERE

If Your Jobber Does Not Have Them in Stock Write to Us

RUGG MFG. CO.

GREENFIELD, MASS.

Also Makers of a Complete Line of

Snow Shovels, Snow Scoops, Snow Pushers, Shingling Brackets, Wood Lawn Rakes and Porch Gates

LOOK FOR THIS TRADE MARK

RUGG KLEEN SWEEP

PATENT NO. 1,848,408

No. 41

Why EVER GREEN is the Leading Garden Insecticide

HERE are a few good reasons why EVER GREEN sells fast and repeats often—It kills both chewing and sucking types of insects on all kinds of flowers and vegetables. Rids lawns of ants. Removes fleas from pets. Non-poisonous to humans and pets. Will not harm tender plants. Easy to mix. Pleasant to use. Economical.

Ever Green is widely advertised in national magazines such as the Saturday Evening Post and Better Homes and Gardens. Also nationally advertised on the radio to both home owners and commercial growers. To help you sell more Ever Green we offer you effective window and counter displays without charge, and keep you well supplied with free cuts for your own advertising. Order from your jobber. McLaughlin Gormley King Company, Minneapolis, Minnesota.

EVER GREEN IS PRICED RIGHT

	Retail *Per Pkg.*	Wholesale *Per Case*
1 oz. (2 doz. to case)	$ .35	$ 5.40
6 oz. (1 doz. to case)	1.00	8.00
16 oz. (1 doz. to case)	2.00	16.00
32 oz. (½ doz. to case)	3.50	15.75
1 gal. (1 to case)	11.50	8.63

EVER GREEN

KILLS ANTS AND GARDEN INSECTS

Moto-Mower

TRADE MARK

Offers a Complete Line of Power Lawn Mowers—the Right Mower for Every Sized Lawn Area

A Twist of the Wrist Guides It

3-WAY MODEL—for country estates, parks, golf clubs. 27" swath but 60" when equipped with trailers. 12 acres a day capacity. Weight 345 lbs.

SUPER-DETROIT MODEL—27" swath. Power for steepest grades. 5 acres a day capacity. Weight 310 lbs.

STANDARD MODEL — like Super-Detroit but smaller. 24" swath. 4 acres a day capacity. Weight 275 lbs.

CITY MODEL—21" swath. Ideal for smaller lawns. 3 acres a day capacity. Weight 265 lbs.

JUNIOR MODEL—18" swath. 1 to 2 acres a day capacity. Weight 200 lbs.

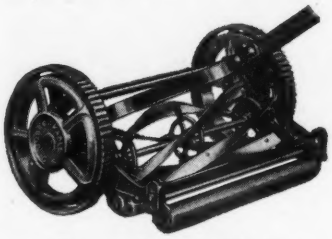
All models are sturdy, troubleproof, efficient. Automotive engine control, safety clutch, drop-out reel and other exclusive features make the various models the outstanding power lawn mowers of their type. Prices $128.50 up. F.O.B. Detroit.

The MOTO-MOWER Co.

4600 Woodward Avenue, Detroit, Michigan

Branches in Principal Cities

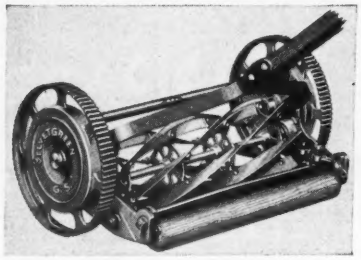
GREAT STATES THE NATION'S LAWN MOWER



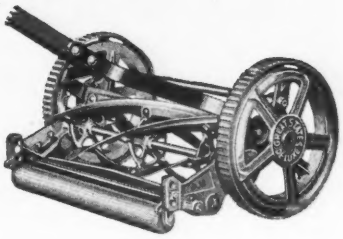
Great States Full Unbreakable

A Lawn Mower worthy of the name, GREAT STATES. It is not a cheap stamping but a solid, unbreakable Mower in a non-competitive class by itself. It carries the usual GREAT STATES Guarantee.

Velvet Green



The Velvet Green Mower is manufactured especially for creeping grass lawns and putting greens.

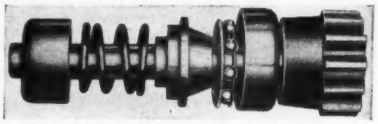


De Luxe

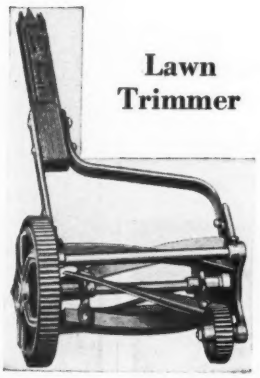
The distinctive De Luxe is Precision Built throughout. It is easy to handle, superior in performance, and dependable over a long period of time.

Bearing Assembly

The GREAT STATES Ball Bearing Assembly is compact in design and simple in construction with 12 per cent over-capacity bearings. It is machined to precision and is self-adjusting.



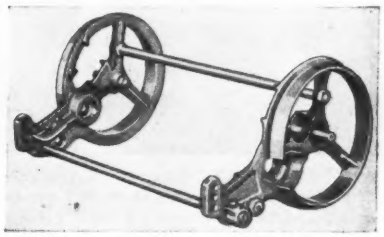
Lawn Trimmer



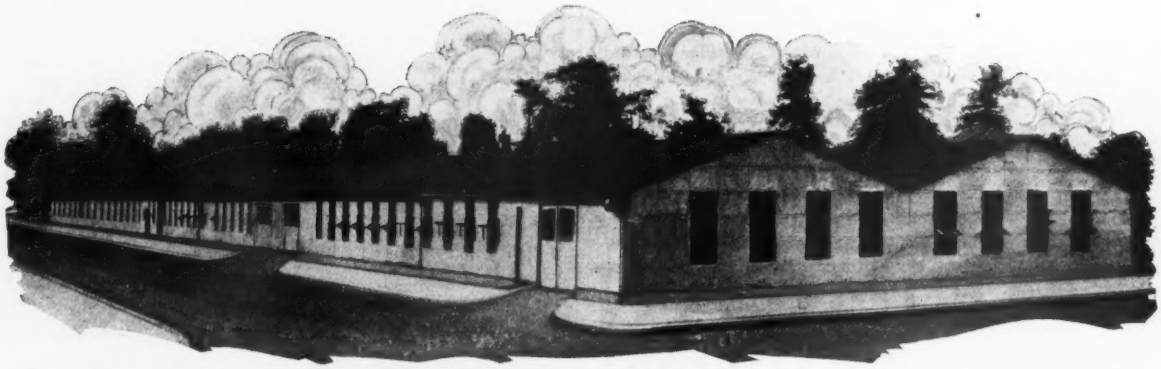
The construction of this ideal Trimmer, which has an extra wheel, makes it easy to handle and guide in a straight line.

Chassis Construction

GREAT STATES build rugged strength into their Lawn Mower Chassis. Two tie bars of cold-drawn steel—one at the top front, the other one at the bottom rear, securely fastened, give double support with the result that the chassis is absolutely rigid.



ALSO MANUFACTURERS OF A COMPLETE LINE OF POPULAR PRICED LAWN MOWERS



Home of Great States Lawn Mowers

GREAT STATES CORPORATION RICHMOND, IND., U.S.A.

NEW BUSINESS *for* LUSTRAGLASS DEALERS *in the Poultry Field*

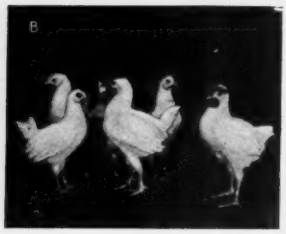
Every farmer and poultry raiser in your community is now a prospect for Lustraglass. This wonderful ultra-violet-ray window glass will now be extensively used for glazing poultry houses, dairy and other farm buildings. Advertisements in Country Gentleman, Successful Farming and Poultry Tribune reaching over 3,000,000 farm families are telling the profit-making story of Lustraglass for farm use. After months of experimenting, we have definite proof of the benefits of Lustraglass in animal husbandry.

Experiments prove that sunlight through

LUSTRAGLASS

the ultra violet ray window glass

prevents rickets in chicks



The photographs above show two groups of chicks at the age of six weeks. Both groups were raised under similar conditions except that group "A" was raised under ordinary window glass and group "B" under Lustraglass. The advantage of Lustraglass is obvious . . . Group "A" are stunted, sick and weakly, and four of the original seven died before the end of six weeks. Group "B," raised under Lustraglass, are all alive and normal, healthy and entirely free from rickets. Lustraglass costs no more than ordinary window glass. Get in on this big new market by offering your customers Lustraglass for poultry and other farm use. Send for Booklet P332 giving a summary of scientific experiments showing the value of Lustraglass.

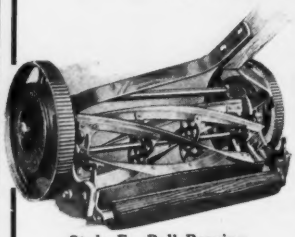
Look for this label on every light of genuine Lustraglass

AMERICAN
WINDOW GLASS COMPANY
PITTSBURGH, PA.

Also makers of Lustrawhite Picture Glass, Armor-Lite Safety and Bullet-Proof Glass, Tintaglass, Photographic Dry Plate Glass, 3/16" and 7/32" Crystal Sheet Glass, Ground Glass, Chipped Glass and Bulb Edge Glass.

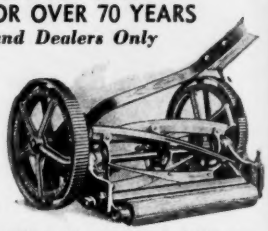
Granite State
LAWN MOWERS

FOR ALL GRASS CUTTING NEEDS
LEADERS IN QUALITY FOR OVER 70 YEARS
Sold Through Jobbers and Dealers Only



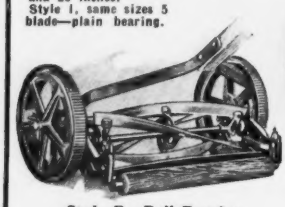
Style E—Ball Bearing

Built for service, cuts smoothly, runs easily. 10 inch wheels, wide tread; 6 inch, 5 knife cylinder. Stationary knife attached to bedplate with screws. Adjustable to and from cylinder. Roll adjustable to vary height of cut. Cutting widths 14, 16, 18 and 20 inches.
Style I, same sizes 5 blade—plain bearing.



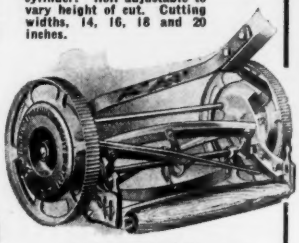
White Mountain—Ball Bearing

New style full open high wheel. Suitable for fine lawns, gardeners' use, public service, etc. 10 inch wheels; 6 inch 5 knife cylinder; heavy stationary knife adjustable to and from cylinder. Roll adjustable to vary height of cut. Cutting widths, 14, 16, 18 and 20 inches.



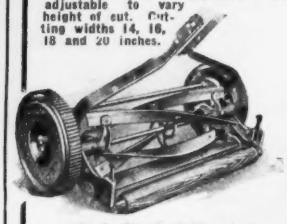
Style B—Ball Bearing

High grade machine, adapted for general use. 10 inch wheels, full open spoke type, 5½ inch, 4 knife cylinder, ball bearing. Stationary knife adjustable to and from cylinder. A fine, easy, quiet running mower. Roll adjustable to vary height of cut. Cutting widths 14, 16, 18 and 20 inches.



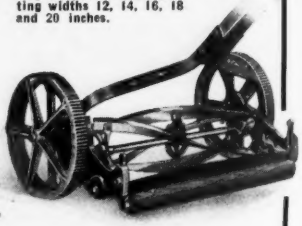
Style M—Ball Bearing

Strong and substantial, light-running machine. Designed for a wide range of work, will cut high or low grass. 10 inch wheels, open spoke type; 5½ inch, 4 knife cylinder. Stationary knife adjustable to and from cylinder. Equipped with new style grass guard to prevent grass from winding around cylinder bearings. Roll adjustable to vary height of cut. Cutting widths 12, 14, 16, 18 and 20 inches.



Style N—Ball Bearing

First class low priced machine for small lawns. 8 inch wheels. Self adjusting ball bearings. 4 knife cylinder. Stationary knife adjustable to and from cylinder. Roll adjustable to vary height of cut. Cutting widths 10, 12, 14, 16 and 18 inches.
This type also in three blades.

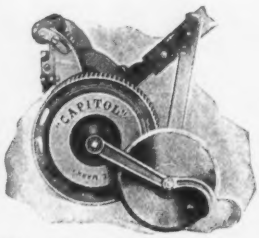


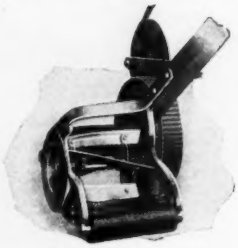
Style U—Ball Bearing

A new type—light, attractive, easy running mower. Wheels 9 inch dia., full open spoke type, open sides, four knife cylinder. Self adjusting ball bearings. Roll adjustment to vary cut. Cutting widths 12, 14, 16, 18 inches.

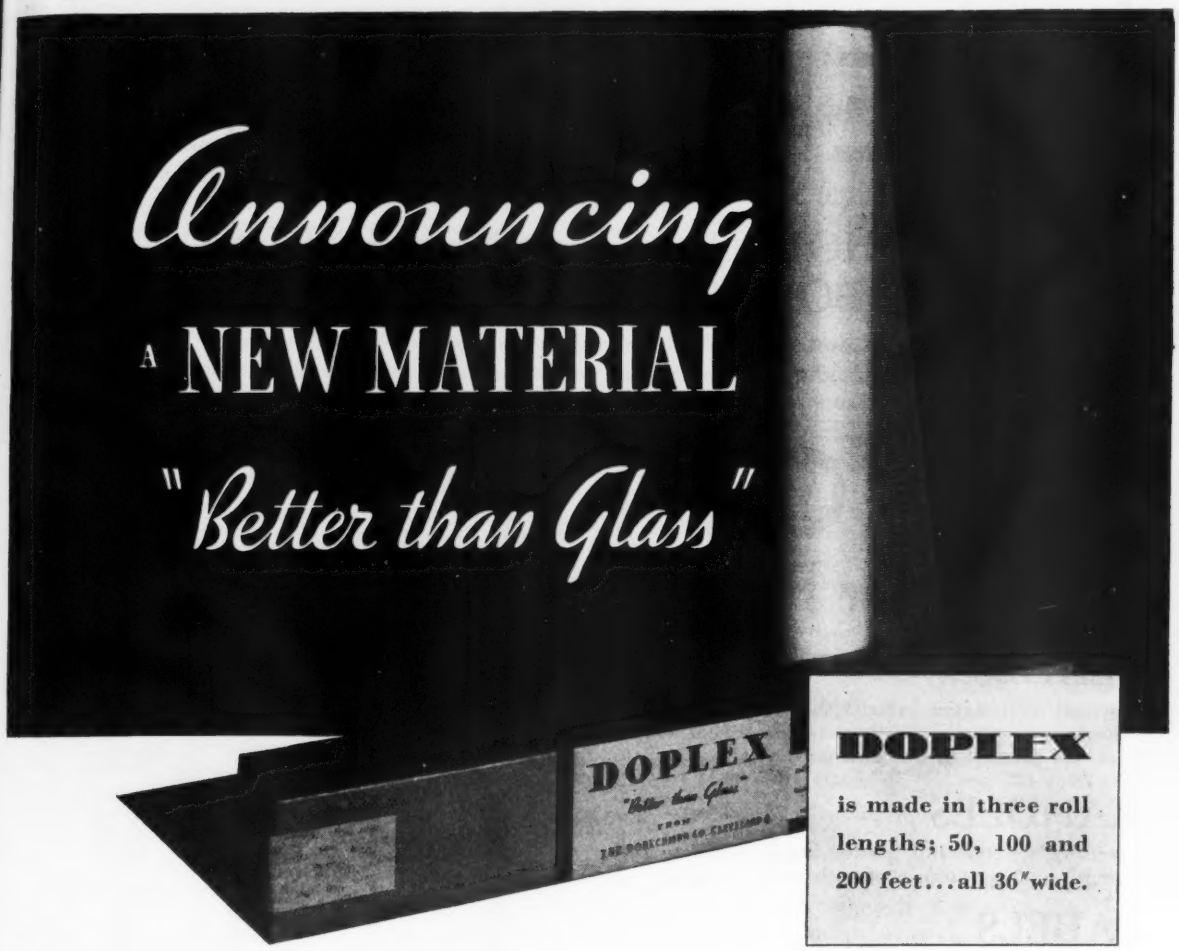
Ask for prices on these and other types.

The Capitol—The Original LAWN TRIMMER AND EDGER
A Great Labor Saver. Built with Self Adjusting Ball Bearings.





Granite State Mowing Machine Co.
HINSDALE, NEW HAMPSHIRE
Pioneer Lawn Mower Builders



HERE is an ideal material for the poultryman... farmer... grower. Exceptionally transparent to the Ultra-Violet Rays so necessary to healthy growth of animals and plants. DOPLEX is made of continuous sheets of cellulose acetate with wide-mesh reinforcing fabric between. It is light, strong, waterproof and weatherproof.

DOPLEX sells for considerably less than metal screen dipped in cellulose acetate. It costs only slightly more than treated cloths. It is right in the middle in price ... a spot not occupied by any competitive material. It gives the user the advantage of the higher priced materials plus its own distinctive advantages of lightness, easy handling and transparency.

DOPLEX was developed after months of research. It has been thoroughly tested under both laboratory conditions and those of actual use. It is the most practical ... most economical and satisfactory material of its kind offered for poultry houses, greenhouses, sun porches and other places where Ultra-Violet Rays are desired.

A Profit Maker for Jobbers

An unusually attractive proposition has been worked out for the jobbing trade. There's real profit to be made from the demand that will be built for Doplex because of its price position and quality.

A Profit Producer for Dealers

DOPLEX, because of its low price and its exceptional quality, should sell in greater volume than any material used for the same purpose. It offers the dealer a greater opportunity for profit than any other glass substitute material in the field.

THE DOBECKMUN COMPANY
Cleveland, Ohio

Mail this Coupon

The Dobeckmun Company,
3301 Monroe Ave., Cleveland, O.

Please send me full particulars about DOPLEX and the merchandising plan back of it.

Name .....

Firm Name .....

Address.....

INGERSOLL STEEL & DISC CO.

MAKERS OF

INDIANA SHOVELS . . . The INDEPENDENT LINE —A BORG-WARNER PRODUCT

The name "Ingersoll" is an assurance of the highest standards of quality and service. Ingersoll brands of shovels are widely known and are available to all who appreciate fine workmanship, excellent materials and the beneficial result of years of experience.

X-tra Quality

has built for Permanence

TRADE X MARK

BLADES

Ingersoll steel makes Indiana shovels the finest obtainable. Ingersoll steel is the standard of excellence, the product of our own mills.

HANDLES

Carefully selected and graded handles add to the strength and appearance of each tool.

LABELS

Our own brands or private brands meet the wishes of the purchaser.

SERVICE

Ingersoll reputation has been built upon personal service and X-tra Quality.

RESOURCES

Ample resources, central location*, independent operation, make this company an ideal source of supply for those who appreciate the best.

This Line is Available to YOU

INGERSOLL STEEL & DISC CO.

★ New Castle, Indiana

DIVISION OF BORG-WARNER CORPORATION

SOME OF OUR PRODUCTS . . . . .

- SHOVELS - - DISCS - - CLUTCHES - STAINLESS STEEL - VENEERED STEEL - SAW STEEL - HIGH SPEED STEEL - PLOW STEEL - PLY STEEL - - - SPECIAL STEEL - - SHOVEL STEEL, Etc. - -

TRADE NAMES: INDIANA, IMPERIAL, NEW CASTLE, TROJAN, MATCHIT, AMERICAN BEAUTY, INGOCLAD

AN INDEPENDENT LINE OF SHOVELS, SPADES AND SCOOPS

INGERSOLL SHOVELS—A BORG-WARNER PRODUCT

LIST No. 32 **LIST PRICES ON SOME OF OUR LEADING ITEMS** LIST No. 32

DESCRIPTION	Size	Class A	Size	Class B	Size	Class C	Size
SHOVELS, RP or SP, DH or LH **Plain Back or Riveted Back** Standard: Regular or Extra Light. *Moulders Brick and Sewer, and Track. One Size Only.		Heat Treated—Black†		Heat-Treated—Black†		Black†	
	2	$22.86	2	$19.72	2	$16.56	2
	3	23.66	3	20.52	3	17.36	3
	4	24.46	4	21.32	4	18.16	4
	6	26.06	6	22.92	6	19.76	6
	*2	22.86	*2	19.72	*2	16.56	*2
SHOVELS, RP or SP, DH or LH **Hollow Back**—Standard. (Also Ore and Concrete Shovels).		Heat Treated—Black		Heat-Treated—Black		Black	
	2	21.82	2	18.68	2	15.54	2
	3	22.62	3	19.48	3	16.34	3
	4	23.42	4	20.28	4	17.14	4
	6	25.02	6	21.88	6	18.74	6
SHOVELS, RP or SP, DH or LH **Hollow Back.** Coal—Plain or Corrugated Blade. Coke—Plain or Corrugated Blade.		Heat-Treated—Black		Heat-Treated—Black		Black	
	1	24.58	1	21.44	1	18.30	1
	2	25.38	2	22.24	2	19.10	2
	3	26.18	3	23.04	3	19.90	3
	4	26.98	4	23.84	4	20.70	4
SPADES, RP or SP, DH or LH **Plain Back—Ditch, Post or Drain.**		Heat-Treated—Black		Heat-Treated—Black		Black	
	14"	24.70	14"	21.56	14"		
	16"	25.50	16"	22.36	16"	Not Made	
	18"	26.30	18"	23.16	18"	In	
	20"	27.10	20"	23.96	20"	(Class C)	
Plain Back or Riveted Back—Garden		Heat-Treated—Black		Heat-Treated—Black		Black	
Hollow Back—Garden	2	22.86	2	19.72	2	16.56	2
	2	21.82	2	18.68	2	15.54	2
SCOOPS, RP or SP, DH or LH EASTERN PATTERN. **Hollow Back or Riveted Back.** (Add $1.20 for Breakdown Scoops. Class A and B only.).		Heat-Treated—Black		Heat-Treated—Black		Black	
	2	23.60	2	20.46	2	17.32	2
	3	24.40	3	21.26	3	18.12	3
	4	25.20	4	22.06	4	18.92	4
	5	26.00	5	22.86	5	19.72	5
	6	26.80	6	23.66	6	20.52	6
	7	27.60	7	24.46	7	21.32	7
SCOOPS, RP or SP, DH or LH WESTERN PATTERN. **Hollow Back Only.** (Add $1.20 for Breakdown Scoops. Class A and B only.)		Heat-Treated—Black		Heat-Treated—Black		Black	
	6	25.88	6	22.74	6	19.60	6
	8	27.48	8	24.34	8	21.20	8
	10	29.08	10	25.94	10	22.80	10
	12	30.68	12	27.54	12	24.40	12
	14	32.28	14	29.14	14	26.00	14
SCOOPS, RP or SP, DH or LH **SHOVELS** **Hollow Back**—Furnace, Snow **Hollow Back**—Sand or Gravel, H.B.E.		Heat-Treated—Black		Heat-Treated—Black		Black	
	0	21.82	0	18.68	0	15.54	0
	2	23.60	2	20.46	2	17.32	2

Specal Grade	L. H.	9.44 00
	Steel D. H.	10.00 00
	Split D. H.	11.10 00

DESCRIPTION	6' h'dle (A)	7' h'dle (A)	8' h'dle (A)	9' h'dle (A)	10' h'dle (A)	
TELEGRAPH (Class A Only). **SHOVELS**—Plain Back. (Heat Treated) 9" Strap	$35.56	$39.36	$43.16	$46.96	$50.76	Black
22" Strap	39.06	42.86	46.66	50.46	54.26	Black
SPOONS—Plain Back 9" Strap (Heat Treated.) 22" Strap (E. or W. Pattern.)	38.88	42.68	46.48	50.28	54.08	Black
	42.38	46.18	49.98	53.78	57.58	Black

Regular Terms:—2% ten days from date of invoice; 30 days net. †List extras: Polish, $2.66 a dozen; Half Polish, $1.33 a dozen. All prices quoted "per dozen" and subject to change without notice. Freight equalized on 5 dozen or more to stock. No freight allowance on direct shipments. Goods at buyers' risk after shipment from factory. All prices F. O. B. New Castle. Burlapping, all over, 56 cents a dozen; blades only, 34 cents a dozen. Paper tubing handles, 34 cents a dozen. Other extras on request.

ASK FOR PRICES ON OUR "INGERSOLL SPECIAL" EXTRA QUALITY SHOVELS AND OTHER TYPES.

This is LIST No. 32·— Write for further information to Ingersoll Steel & Disc Co., New Castle, Indiana

AN INDEPENDENT LINE OF SHOVELS, SPADES AND SCOOPS

AMES BALDWIN WYOMING SHOVEL CO.

PARKERSBURG, W. VA.

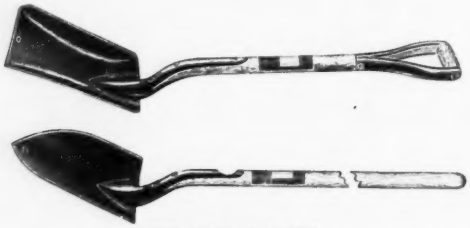
PLANT
Parkersburg, W. Va.

SHOVELS, SPADES AND SCOOPS
POST HOLE DIGGERS AND SNOW TOOLS

PLANT
North Easton, Mass.

LEADING A B W BRANDS

GENUINE O. AMES	RED EDGE	PONY	MONONGAH	BRONCO	COAL BLUFF
HUBBARD SOCKET SHANK	KNOX-ALL	HUSKY	PACEMAKER	GOLD BUG	OPTIMUS



PLAIN BACK

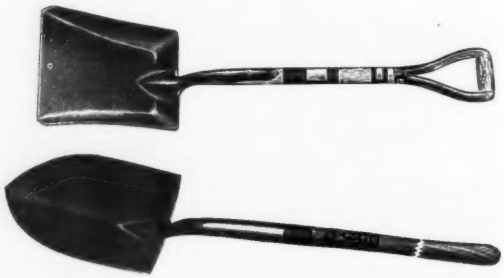
Armor-D and Long Handle Square Point and Round Point Shovels and Spades. Made in four grades: Alloy, "A", "B", and "C" Grades.

HOLLOW BACK

Armor-D and Long Handle Square Point and Round Point Shovels and Spades, and Armor-D Handle Scoops. Made in four grades: Alloy, "A", "B", and "C" Grades.

ARMOR-D HANDLE

The A B W Armor-D handle is the most perfect handle yet invented. To the natural strength of second growth Northern Ash has been added an armor of steel that surrounds and locks the wooden fork. It provides a smooth surface and supplies great strength at the point of strain. It gives protection against weathering, checking, and splintering, and increases handle strength. It has a grip that gives ample room for gloved hand. There is no wobble to an Armor-D Handle.



SOLID SHANK

Made from one solid bar of Steel. Equipped with A B W Shock Band. Armor-D and Long Handle, Square Point and Round Point Shovels and Spades. Made in three grades: Alloy, Standard Weight and Featherweight.

SOCKET SHANK

Steel-D and Long Handle Square Point and Round Point Shovels and Spades.

Complete line of Post Hole Diggers, Sidewalk Scrapers, Snow and Barn Tools.

NEW METHOD OF LABELING

A new and exclusive A B W method of marking brands has been developed (Patent Pending). Instead of pasting the brand label on shovel handles, we now die press our labels, in colors into the wood, making them as permanent as the handle itself.

For Complete and Detailed Information Write

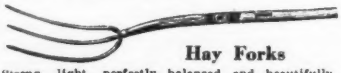
AMES BALDWIN WYOMING SHOVEL CO. - - - - - - - Parkersburg, W. Va.

THE UNION FORK & HOE CO.

GENERAL OFFICES, COLUMBUS, OHIO

"Continental" and "Liberty" Works: Frankfort, N. Y. **"Columbus" Works: Columbus, O.**

FARM TOOLS



Hay Forks

Strong, light, perfectly balanced and beautifully finished. Made with either 3 or 4 tines and with straight or bent handles. Tines of special analysis high carbon steel, tempered to give them just the right toughness and springiness. Handles of straight grained northern white ash from 3½ feet to 6 feet. No. SB34, shown above, is commonly referred to as a "bundle fork."

Manure Forks

The 4-tine Manure Fork is the most widely used, but there is also a good demand for the 5- and 6-tine patterns. All are furnished with the short D handles or with long handles 4 feet and 4½ feet. No. S44 shown.

Header Forks

Designed for handling headed grain on the great wheat farms of the West. Their large capacity, together with light weight and ease of handling, makes them the most desirable pattern of forks for loading, unloading and stacking headed grain. Grain or header forks are made in various patterns. The round shoulder pattern illustrated above is the most popular and is also used for handling short hay. Other patterns in the Union line are the Square Shoulder, Kansas Deep Dish and Dakota. No. RS154 shown.

Ensilage or Barn Forks

The long tines of these forks—16 inches—are spaced and shaped to hold a good big load of ensilage or chopped feed. The use of an Ensilage Fork instead of a shovel will speed up the work of digging and moving ensilage at least 50%. Made with 6, 8 or 10 tines. No. E10 shown.

Potato Hooks

These tools are properly designed to penetrate the soil and pull an entire hill of potatoes from the ground, leaving all soil behind. Made in several styles, sizes and weights to meet the different soil conditions and local and individual preferences. Made with 4, 5 and 6 tines and with goose-neck shanks or bent heads. No. 4WC shown.

Cotton Hoes

A hoe that is properly adapted to the soil is one of the most essential requirements of good farming. We have developed a complete line in response to calls for suitable hoes for southern soils. They are called by various trade names, such as Planter Hoes, Blackland Hoes, Southern Meadow Hoes, but they are all "Cotton Hoes." Blades and shanks are forged from a single piece of high carbon steel. The blades are rolled as thin as the service they are designed to give will permit. No. C7 shown.

GARDEN TOOLS

Garden Hoes

The many different uses for hoes have led to the invention of a great number of different patterns. We manufacture every type, kind and size that has been demanded by the trade. No. SG7, standard socket garden hoe, shown above.

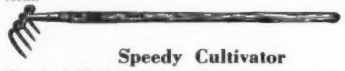
Spading Forks

Made in numerous sizes and weights to suit the various soil conditions.

In spading up gardens, a spading fork will enter the ground far more easily than an ordinary spade and will break up the soil when turning it over, whereas the spade or shovel holds the soil in a compact mass. No. SAHD shown.

Garden Rakes

All of our garden rakes are forged from one piece of steel, without rivets or welds; hence there is practically no wearout to them. Never get loose or rattle. Much study has been given to the details of each rake—its shape, the distance between teeth, the length of teeth, etc. A rivet through shank and handle eliminates all danger of the head pulling off. The Bow Rake, shown above, in the 14-tooth size (No. B14) is the most popular garden rake. The Bow Rake is also made with 12 and 16 teeth. The Level Head or single shank rakes are made with 10, 12, 14 and 16 teeth.



Speedy Cultivator

Cuts in half the time of cultivating because you don't have to chop. The 4 highly tempered tines are sharp and curve at just the right angle to penetrate the soil with an easy, pulling motion, thoroughly breaking up the ground as they are drawn through the soil. Its small size permits use between individual plants. Ideal, also, under shrubbery, hedges and low growing evergreens.

Mattock Hoe

Just the thing for digging deep before winter sets in, and for clearing out dead wood, briers, runners and heavy weeds. Forged heavy blades (one 3" and one 1¾" wide). No. NM3 shown.

Weeding Hoe

A combination cultivating and weeding tool—most useful hoe made. Can be had with 1, 2, 4 and 6 prongs. No. 2PWF shown above.

LAWN TOOLS

Turf Edger

The edges of the blade are sharpened from "ear to ear." The rounded shape makes them cut easily with very little pressure from the foot. The top edges are turned over to provide a foot rest. Blade 9 inches wide, 4¾ inches deep. Furnished in either shank or socket pattern and with long or "D" handle. No. TE shown.

Brume Rake

The fingers of the Brume Rake are made of strips of flat spring steel, which comb gently through the blades of grass, picking up the smallest litter without injuring the roots. The flexible fingers adapt themselves to every irregularity of the ground and sweep it clean. The temper in the steel gives great resiliency to the fingers of the Brume Rake, so that they catch up the lightest twigs and leaves and flick them free from the rake at the end of the sweeping stroke.

Dandelion Rake

This rake, with its curved V-shaped teeth, will pull off and gather the dandelion blossoms before they mature and go to seed. In use the points of the saw teeth are tilted up high enough to pass above the grass roots as the rake is drawn across the lawn. Excellent for pulling out crab grass and other creeping weeds.

Dandelion Weeder

Designed to remove dandelions and other weeds from the lawn with least possible injury to the sod. Polished V-shaped blade on 3½ ft. handle. Simplest and most practical weeder on the market.

Lawn Rake

Considering the width of head (21 inches), this 24-tooth rake is extremely light in weight. The wire teeth are firmly locked in the head and won't come out. The teeth on one side of the head are looped to slide over the sod easily without tearing or pulling up sod. Also made with 20 teeth, 17 inches wide, and with 36 teeth, 30 inches wide. No. W24 shown.

SPECIALTIES

Sidewalk Cleaners and Floor Scrapers

Blade and shank forged from a single piece of bar steel—no rivets or welds to come apart. Rolled with a reinforcing bead on each side of blade. Excellent for cleaning vats and floors of barns, garages, candy factories, paper mills, etc., as well as for clearing ice and packed snow from walks and drives.

"Neverbreak" Fire Tools

Last a lifetime. Cool, hollow grip. 10 inch, 16 inch or 20 inch shovel handles; straight or bent tip pokers.

Speedy Weed Kutter

Blade and shank forged from one piece special manganese steel. No bolts or rivets. Blade sharpened on both long edges and tips.

Chickenhouse and Barn Floor Scrapers

Push or pull to clean stables, garages, bakeries, pulp and paper mills, paint, candy and other factories. Blades 13 or 18 in. wide. No. CH136 shown.

Heavy Forks

For handling coal, coke, railroad ballast, stone, vegetables and similar heavy material. Dig in more easily than a shovel and screen the material.

American Weldless Chain For Every Purpose-

Tenso Pattern Chain

Most popular type steel wire chain, adapted for general uses, viz.:
Well Chain, Swing Chains, General Utility Purposes. Made in 18 sizes, No. 7 (No. 18 W & M gage) to 10/0 (No. 2 gage) inclusive.
Finishes:—Polished Bright, Electro Galvanized, Hot Galvanized or any plate.
Packing:—Reels containing 250 or 500 Ft.
Fibre Shipping Cases containing 250 Ft.
Kegs containing 500 Ft.
Packages containing 100 Ft.

Tenso Tie Out or Picket Chains

Five sizes carried in stock, Nos. 1, 1/0, 2/0, 3/0 and 4/0. Larger sizes made to order.
Four lengths, 20, 30, 40 and 50 Ft. assembled with swivels; ring and swivel snap attached to opposite ends.
Finishes:—Polished Bright or Galvanized.
Packing:—Each chain in a strong, labelled muslin bag, requiring minimum amount of storage space.

Tenso Halter and Dog Chains

Standard lengths, 4½ and 6 Ft., sizes No. 7 to 6/0 inclusive. Swivel and Toggle Bar attached to opposite ends, or snaps at each end.
The 4½ Ft. has one, the 6 Ft. length two adjustment rings.
Finishes:—Polished Bright or Galvanized.
Halter Chain Sizes, Nos. 1/0 to 6/0 inclusive, packed ½ dozen in carton.
Dog Chain Sizes Nos. 7 to 1 inclusive, packed one dozen in carton.

Tenso Dog Runner Chain

Runs on wire or rope fastened between two posts. Keeps dog tethered, yet provides plenty of room for exercise. For town and rural use. Made in 10 and 15 Ft. lengths, chain size No. 1. Strong swivel snap attached to opposite ends, or detachable ring and swivel snap at opposite ends, swivel in center of 15 Ft. chain.
Finishes: Polished Steel, Galvanized, or Nickel Plated.
Packing: Each chain in a strong fibre carton.

Tenso Kennel Chains

Made in all sizes, 4½, 6 and 9 Ft. lengths. Other lengths as desired. Strong swivel snap attached to opposite ends of each chain, swivel in center.
Finishes: Polished Steel, Galvanized or Nickel Plated.
Packing: Large sizes, ½ dozen in carton; medium and small sizes 1 dozen in each carton.

Lock Link Pattern Chain

A smooth, flexible weldless wire chain which lies flat and allows of many adjustments. Adaptable to many general uses. Used extensively on light conveyors, rolling shutters and folding doors. The shape of the links makes it ideal for operating over sprocket wheels. Bright, galvanized or any other finish required. Packed 100 feet in a carton unless otherwise specified. Also put up 250 feet and 500 feet on reels.

Acco No. 8 Sash Chain Runs Over Any Cord Pulley

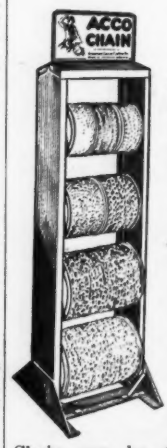
For hanging windows in large, fireproof buildings, apartment houses and smallest dwellings. Finishes:—Coppered or galvanized — rust-proof. Packed 100 Ft. in cloth bags with fixtures for seven complete windows. Also in attractive display cartons, each containing 10 small packages having four 4-Ft. pieces and fixtures for one complete double hung window—ready for use. Also on reels of 500 Ft., fixtures in separate packages.

Tenso Porch Swing Chains

Y Type — **2 Pcs. to a Set**

Standard lengths: Leader 2/0, 5 Ft.
2 Branches No. 1/0 each 2½ Ft.
Special lengths—as desired.

Finishes: Electro Galvanized (S.R.P.) and Hot Galvanized.
Packing: One set (2 chains) with 2 ceiling hooks in strong fibre cartons.



Acco Chain Rack and Assortments

Two types—one for floor (as shown), and one for table display. Provides a silent display salesman for 12 kinds or sizes of ACCO Chain. Both the Floor and Table Display Fixture are built to N.R.H.A. specifications. The chain on reels is readily stocked and more readily sold, than chain in cartons. Chain can be unreeled directly from rack and cut to length. Rack is made of heavy sheet metal, welded. Finish — attractive dark olive green body with 4-color lithographed sign. Dimensions: 54 in. high, 16 in. deep, 15 in. wide. Weight 35 lbs. net. Send for Special Folder which gives complete information and prices on the Six Different Assortments, any one of which may be had with rack.

American Sash Chain

Copper Bearing Steel and Bronze

Strong and uniformly designed links—operate freely over all standard pulleys.
Finishes: Steel Chain—Polished Bright, Coppered, Galvanized, Hercules Finish (Galv. and Copper Plated), Nickel or any plated finish. Bronze: A strong non-corrosive and durable alloy, especially selected for Sash Chain.
A size for every weight sash, viz.:

Nos.	60	0	80	100	130	250
For sash weighing not over						
Lbs.	100	100	150	250	300	400

Fixtures: All Types and Combinations

American Pattern Chain

Made from flat stock. Smooth, uniform—works freely over pulleys. Adaptable for many uses. Made in full range of sizes from No. 12, less than 1/16 in. across link to No. 280 approximately ¾ in. across link. Bright finish. Packed 100 feet in carton unless otherwise ordered. Also put up 250 feet and 500 ft. on reels.

Loom Friction Chain

(American Pattern)

Sizes No. 4/0 Special, 210 and 280. Tensile strength 1750, 2100 and 3000 lbs. resp. No. 4/0 Special for weaving medium weight fabrics; No. 210 and 280 for carpets, duck, etc.

Plumbers Chain, Steel and Brass

Seven standard sizes Nos. 000 to 4 inclusive. Packing: In Dozen Yard Cartons and 500 Ft. Reels.

Safety Chain, Steel and Brass

Seven standard sizes Nos. 000 to 4 inclusive. Packing: In Dozen Yard Cartons and 500 Ft. Reels.

Double Jack Chain

(Steel and Brass)

Single Jack Chain

(Steel and Brass)

A light weldless wire chain suitable for use where strength is not a factor. Double Chain in ten sizes, Nos. 19 to 10. Single in 15 sizes, Nos. 19 to 5. Furnished in either brass or steel. Packed in cartons of one dozen yards each or on reels of 500 feet.

American Welded Chain For Every Purpose-

Acco Proof and BBB Coil Chain

Both same type link. Acco Proof Coil Chain is for ordinary uses, except for lifting. Made from open hearth basic steel. Natural finish. 15 sizes from 3/16 in. to 1½ in. Proof test 3/16 in. smallest size, 1,045 lbs. 1½ in. 54,400 lbs. BBB Coil recommended for flexibility, strength and durability. Black finish. Used for ordinary lifting but where safety is at stake Ajax or H B Dredge Iron Chain should be used. Same sizes as Acco, but heavier and stronger. 3/16 in. proof test 1300 lbs. No. 1½ in. proof test 68,000 lbs.

Elwel Coil Chain

Electrically welded, bright finish. Twist or Straight link. Unless specified twist link furnished. 13 sizes. Nos. 6 to 6/0 inc. 100 Ft. in carton. No. No. 7/0 supplied in lengths of 100 Ft. in bulk, unless ordered in continuous length. Tensile strength 13 Ga. wire smallest size 475 Lbs., 5/16 In. wire largest size 4050 Lbs.

Elwel Machine Chain

A short link electrically welded, bright finish chain for general uses where strength and compactness are desired. Twist or Straight link. Twist link furnished, unless straight link is specified. 12 sizes. Nos. 5 to 6/0 inc., packed 100 Ft. in carton. No. 7/0 in lengths of 100 Ft. in bulk unless ordered in continuous length. Tensile strength 12 Ga. smallest, 620 Lbs., 5/16 wire, largest 4260 Lbs.

Elwel Passing Link Chain

Extra wide links permit free action and passing of one link by the other, impossible to kink. For agricultural and general utility purposes. Continuous lengths, or cut to length as ordered. Bright finish unless otherwise ordered. Nos. 1/0 to 4/0 inclusive, packed 100 Ft. in a carton. Nos 5/0 to 7/0 inclusive in lengths of 100 Ft. in bulk unless ordered in continuous length.

Acco Repair or Lap Links

For temporarily joining chain. End Open and Side Open types. End Open furnished unless otherwise specified. When possible, attachments should be joined to Welded Chain with welded links. ACCO End Open Repair or Lap Links can be welded. Regularly furnished bright. From smallest size 1 In. long inside to large size 3½ In. long inside.

Acco Cold Shuts

Two types: No. 1 plain (as shown), No. 2 with shoulder. For joining Welded Chain. When closed and riveted they develop a tensile strength close to that of the chain. Should be at least one size heavier than chain size. Natural finish. 10 sizes from ¼ In. to 1 In. For use on Dredge Chain, order style No. 3 Cold Shuts.

Acco Slip Hooks and Grab Hooks

Both drop forged. Natural Finish. For use on Log and other General Utility Chains. Slip Hooks permit chain to slip easily through loop. Grab Hooks when hooked over a link, chain will not slip. Both types in 9 sizes for chains from ¼ In. to 1 In. diameter. Order by size of chain.

Also Welded Chain in the Following Items:

Steel Loading Chain, Truck Chain, Cow Ties, Halter Chains, Conveyor Chain, HB and Ajax Dredge Chain, General Purpose or Utility Chains and Harness Chains.

El-Wel-Tra Trace Chains

Wrought steel, electrically welded, bright finish. Malleable swivel, patented. Furnished in straight link with either Ring or Hook. Sizes 6½ Ft. to 9 Ft. length over all, with 8 to 10 links per Ft. In Nos. 2, 1 and 0 Ga., ¼, 9/32 and 5/16 In.

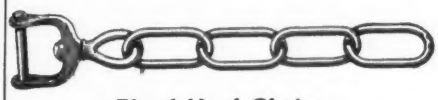
El-Wel-Tra Butt Chains

Straight Link with Ring or Hook, also with Ring and Hook, with Hook and Hook, or with Ring and Swivel (Texas Pattern). Packing: 1 doz. pairs in bag; 18 and 24 In., 20 doz. pairs, 30 and 36 In., 16 doz. pairs, in barrel. Bright, Japanned or Electro-Copper Plated Finish. Approximate Weight per Dozen Pairs Butt Chains—Pounds:

Length of Chain—Inches	18	24	30	36
8 Links per Ft. No. 2 (¼ In.)	21	27	31	37
8 Links per Ft. No. 1 (9/32 In.)	27	33	42	48
8 Links per Ft. No. 0 (5/16 In.)	32	41	50	60

Ajax Breast Chains

Adjustable by taking up or dropping links. 9/32 In. material. Polished or XC Plate Finish. Packed 2 pairs in a carton, 6 lengths. Lengths, 28 In., 32 In. and 36 In.—6 doz. prs. in case. Lengths, 40 In., 44 In. and 48 In.—5 doz. prs. in case.



Elwel Heel Chains

No. 45 with Swivel Dee, 1½ In., 1¾ In. or 2 In. Links ¾ In. x 2½ In. long inside. Bright finish. No. 57 with snap. Handy Heel or Trace Chain No. 0 (5/16 In.) material; links ¾ In. x 3 In. inside.

Acco Log Chains

Commonly used as general utility chains. Furnished self-colored, polished or blacked. Sizes ¼, 5/16, ⅜, 7/16, ½ and ⅝ In. Style 110 above has ring on one end, swivel in center and grab hook on other. Style 120 has grab hook on one end, swivel in center, and slip hook on other end.

American Chain Company, Inc. Bridgeport, Conn.

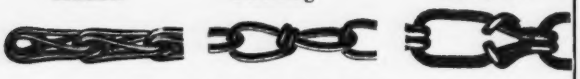
THE CHAIN PRODUCTS CO

3920 COOPER AVENUE CLEVELAND, OHIO

Complete Line of Weldless and Welded Chain and Products for the Hardware Trade.

WELDLESS CHAIN

Hodell ***Bulldog*** ***Samson***



JACK CHAIN

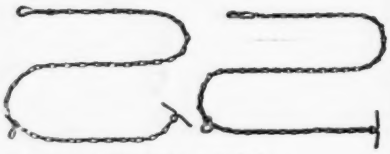
Single ***Double*** ***Safety***

Ladder ***Register*** ***Plumbers***

Forty-nine sizes. No. 24 to 10/0.
Finishes: Bright, Bright Galvanized, Hot Galvanized, Brass, Coppered.
Packing: 36 ft. packages, 100 ft. packages, 250 ft. reels, 500 ft. reels, bulk.

HALTER AND DOG CHAINS

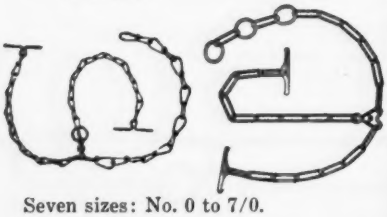
Bulldog ***Hodell***



Thirteen Sizes: No. 7 to 6/0.
Finishes: Bright—nickel plated.
Packing: ½ doz. and 1 doz. to a carton.

COW TIES

Weldless ***Welded***

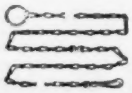


Seven sizes: No. 0 to 7/0.
Finish: Bright.
Packing: ¼ doz. and ½ doz. to a carton, depending on size.

TIE OUT CHAINS

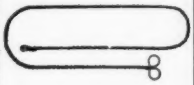
Five Sizes: No. 1 to No. 4/0.
20 ft., 30 ft., 40 ft., and 50 ft. lengths.
Finishes: Bright, bright galvanized.
Packing: One to a bag or carton.

Bulldog



DOG LEADS

Hodell



Bulldog

Four Sizes: No. 6 to No. 4.
Finish: Bright and nickel plated.
Packing: 1 doz. to a carton.

KENNEL CHAINS

Bulldog

Three Sizes: No. 5, No. 2, No. 0.
Lengths: 4½ ft., 6 ft., 9 ft.
Finish: Bright, nickel plated.
Packing: ½ doz. and 1 doz. to a carton.

WELDED CHAIN

Machine ***Coil***

Eleven sizes: No. 4 to 7/0.
Finishes: Bright, Bright Galvanized, Hot Galvanized.
Packing: 100 ft. packages, 250 ft. reels, bulk.

CLEVELAND PUMP CHAIN

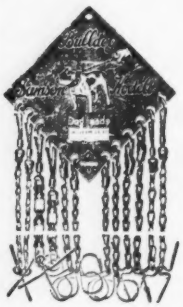
Two sizes: No. 5 and No. 6.
Finish: Hot Galvanized.
Packing: 100 lb. bags, 100 lb. kegs, 500 lb. bbls.

SASH CHAIN

Woven Link ***Stamped Link***

Six sizes.
Finishes: Solid Bronze, Hot Galv., Bright Galv., Coppered, Mock Bronze, Polished Steel.
Packing: 100 ft. packages, 500 ft. reels.

Dog Chain Assortments



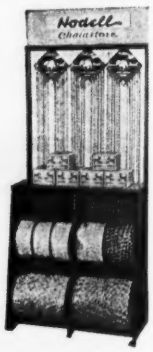
Finishes: Bright, nickel plated, Duco.
Packing: One assortment to a carton.

PORCH SWING CHAINS

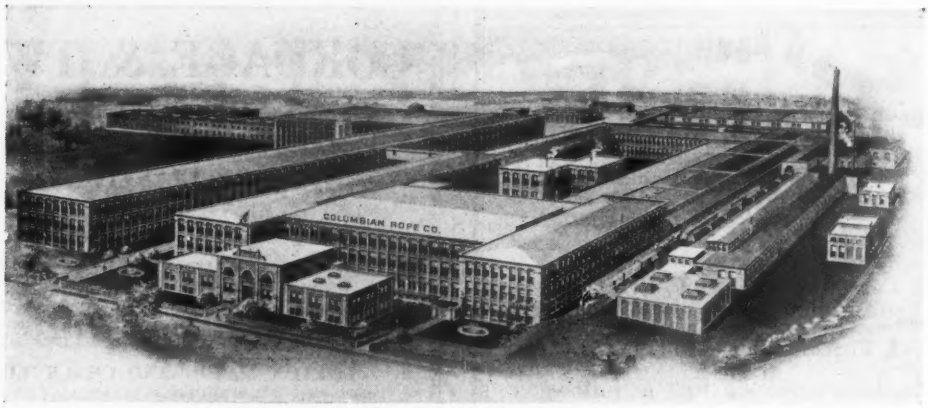
Bulldog

Six Sizes.
Finishes: Bright galvanized, hot galvanized.
Packing: One set to a carton.

HODELL Chainstores



Choice of four assortments of chain, depending on location of your store and nature of your trade.
Packed, one store in a crate.



FROM THE MAMMOTH COLUMBIAN MILLS COME THE EXCELLENT COLUMBIAN PRODUCTS

Columbian *Tape-Marked* Rope, the Guaranteed, Waterproofed Rope is unequalled for Quality and Service

Columbian Lariat — a hard rope, yet with sufficient flexibility to handle well, and possessing the maximum breaking strength for its diameter

Columbian Oil Well Cordage and Quarry Drilling Cables are the acknowledged leaders in these fields

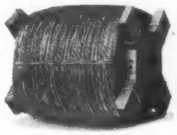
The Columbian Rope Company takes the same merited pride in the appearance of its mills and their surroundings as it does in the quality of its products. To see these mills or use Columbian products is adequate proof of this statement.

And Quality, in both materials and workmanship, has been responsible for Columbian's enviable position as a leader. When you buy or sell any Columbian product, you may do so with the knowledge that the market doesn't afford a superior item.

Successful improvements, many of Columbian origin, have been added to keep Columbian modern in every respect. If you do not handle the Columbian line of hard or soft fibre cordage, you should investigate at once. A more complete line of Quality rope and twine cannot be found.

COLUMBIAN ROPE CO.
352-80 Genesee Street
Auburn, N. Y., ***"The Cordage City"***
Branches: New York Chicago Boston New Orleans

Columbian Soft Fibre Twines offer a Columbian Twine for every use — smooth, unform and of excellent yardage



Columbian Hard Fibre Twines are universally used where real strength is essential

Columbian Standard Binder Twine, even, strong and reliable, is specially treated against damage by insects

COLUMBIAN ROPE AND TWINE

The C-K-R Co.

1227 Prospect Ave. Cleveland, Ohio

Hardware Specialties

Successors to

Cronk & Carrier Mfg. Co. F. E. Kohler Co.

and

J. F. Rittenhouse Mfg. Co.

We issue descriptive catalogs as follows:

CATALOG NO. 132

General Purpose Shovels, Barn Shovels, Snow Shovels, Juvenile Shovels, Furnace Scoops, Sidewalk Cleaners, Snow Pushers, Ash Sifters, Ash Can Trucks, Post Hole Diggers.

CATALOG NO. 332

Steel Goods, Pruning Shears, Hedge Shears, Garden Trowels, Folding Chairs, Camp Chairs, Screen Hardware, Window Pulls, Hose Reels, Mop Sticks.

CATALOG NO. 232

Curry Combs

Write for catalogs and prices

FACTORIES

Akron, Indiana Frankfort, New York

CORDAGE & TWINE

COTTON, HEMP, FLAX, LINEN, JUTE, MANILA AND SISAL ROPE SPECIALTIES

A Quality Line Fully Warranted—That Nets Real Profits

SASH CORD
"LEONARD" AND "RECTOR" BRANDS

COTTON TWINES
"EMPIRE" "REGENT" AND "RUBY" BRANDS

COTTON MASON AND CHALK LINES
"TRITON" BRAND

5c & 10c COTTON & JUTE TWINES

KITE TWINE

BINDER TWINE

MANILA ROPE

PLOW LINES

AWNING AND TENT ROPE

FISHING LINES
"TRITON" AND "EL PESCADOR" BRANDS

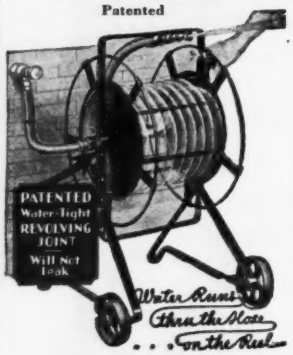
MOPS

Write for Prices

EMPIRE TWINE & YARN CO., INC.
70 THOMAS STREET, NEW YORK, N. Y.

Real REEL

Patented



A *real* reel . . . not just a "storage" place for hose! Has 10 uses to 1 of the ordinary reel. No more tedious unwinding and rewinding of ALL the hose every time it is used . . . unreel each time just what you want and reel up with handy crank. ALL STEEL—riveted joints. Holds up to 125 ft. ⅝ in. hose. Triples life of hose . . . and every reel sold is a bill-board that sells the neighbors. Fully guaranteed. Each in carton, practically set-up. Packed, 24 lbs. with demonstration display card.

FLEX-NEK

Patent Pending

holds nozzle rigidly in ANY position . . . changed INSTANTLY . . . and STAYS PUT!

Converts ordinary nozzle into handiest and most practical sprinkler. No interference with ordinary use of nozzle. Always ready . . . no muss . . . no fuss . . . no bother. Galvanized steel and brass. Six in box, with 3-color display and price card.

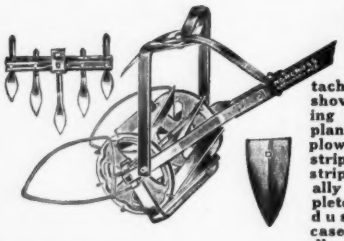
ANKER-HOLTH MANUFACTURING COMPANY
PORT HURON, MICH.

NORCROSS Garden *and* Lawn Tools

Norcross Hand Cultivator

3 sizes—No. 55 with 5 prongs and 4 ft. Ash handle for heavy work. No. 33 with 3 prongs and 4 ft. Maple handle, lighter for women and children. No. 11 Midget Weeder 12 ozs. 9 in. hardwood handle for close cultivation in garden and flowers. Packed ½ doz. in bundle.

New Norcross Garden Grower



Plows, weeds, cultivates, mulches. Shown with leaf-guards attached for weeding and mulching. Cultivator attachment at left—oval shovel at right for marking out deep or shallow planting rows and deep plowing. No. 8 cultivates strip 8" wide—No. 10, strip 10" wide. Individually packed completely assembled in dust-proof fibre case; handles in bundles, paper wrapped.

Norcross "Out-U-Kum" Weed Puller

A slight push and pull loosens soil and removes weed and ENTIRE ROOT without injuring lawn. Especially effective for dandelions and plantain. Packed ½ doz. in attractive display carton. For freight shipment either 3 or 6 doz. in wire-bound case. Shipping wt. per doz. 22 lbs.

C. S. NORCROSS & SONS
Bushnell, Ill. U. S. A.

HUMIX

A Practical Soil Conditioner, Moisture Absorbant and Mulch

A Michigan Humus analyzing 78 per cent organic matter and over 6 per cent total nitrogen, phosphoric acid, and potash.

Packed in one and five pound boxes and one hundred pound bags. Used as a soil conditioner, moisture absorbant and mulch. Retails at 15 cents, 35 cents and $1.85 respectively.

FERTEX

LIQUID FERTILIZER

Analyzing six per cent nitrogen, three per cent phosphoric acid and three per cent potash.

Packed six and sixteen ounces, to retail at 25 cents and 50 cents.

ADVERTISED IN NATIONAL MAGAZINES

Also Dealer Helps including Post Cards, Folders and Booklets by authorities on garden care and care of house plants, imprinted with name of Dealer.

Sold only through Jobbers. Write for name of nearest Jobber.

The Garden Supply Co.

919 Guardian Bldg.
CLEVELAND, OHIO

WIRE CLOTH

CLINTON Wire Cloth is made of high grade materials, carefully inspected, accurately measured and easy to sell. Our location on the West Bank of the Mississippi enables us to ship promptly either by water or over four major lines or railroads.
If your jobber cannot supply you—write us for name of nearest distributor.

NEW CONTAINER

Each roll of Clinton Wire Cloth is shipped in an individual fibre container—thus providing greater security and protection to the cloth and easy handling in retailing.

Quick Stock Shipments on the following types:

BRONZE

Made from pure Bronze wire, 90% copper, 10% zinc, 14, 16, 18 mesh. Furnished in bright or antique finish.

COPPER

Made from hard drawn copper wire 99.9% pure. 14, 16, 18 mesh. Furnished in bright or antique finish.

ELECTRO GALVANIZED

Heavily galvanized by the latest modern methods and lacquered to retain its beautiful pearl gray finish. 12, 14, 16, 18 mesh.

BRIGHT GALVANIZED

Made from hard drawn steel wire heavily coated with pure zinc before weaving. 12, 14, 16 mesh.

BLACK PAINTED

Made from hard drawn steel wire coated with High Quality Black Enamel 12, 14 mesh.

.015 BRONZE AND COPPER

Made in bright and antique finishes. Complies with U. S. Government specifications 14, 16 mesh.

Horse muzzle cloth, Tinned sifter and strainer cloth, Fly swatter, Fireplace screen cloth, Bee veil cloth, Corn popper cloth, Frying basket cloth, etc.

Clinton Wire Cloth Company of Clinton, Iowa

Clinton . . . . . Iowa

1813—1932

For 119 Years

DAVID WADSWORTH & SON, Box 610 *Auburn, N. Y.*

have been making Agricultural Edge Tools, Welded and Solid Steel Scythes, Bush Hooks, Hay Knives, Grass Hooks, Corn Knives, etc. *Write for prices.*

FOR FARMS,
RAILROADS
and HIGHWAYS

Sure Grip Hose Clamps—Rust-Proof

CLAMPS FOR HOSE

GARDEN
HYDRANT
GREASE
PAINT
AIR
FIRE
STEAM
SUCTION
TANK

FOR IMMEDIATE SHIPMENT

96 SIZES

True Inner Circle
Before and After Tightening
an Exclusive Feature

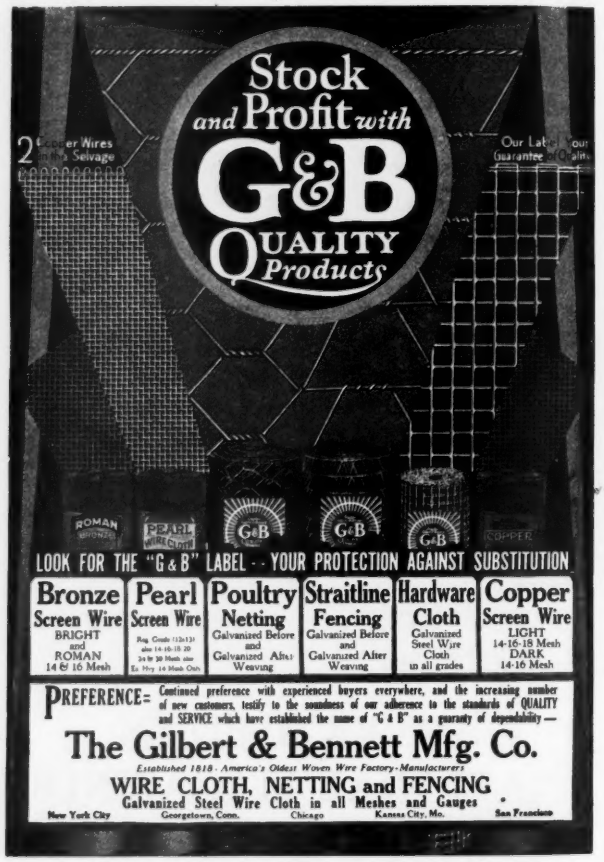
Leak-Tight Under Pressure
Made from Wrought Steel and Heavily Galvanized

For All Sizes and Plies:
Garden Hose—¼ - ⅜ - ½ - ⅝ - ¾ in.
Hydrant Hose—1 - 1¼ - 1½ - 1¾ - 2 - 2¼ - 2½ - 2¾ - 3 in.
Steam Hose—½ - ¾ - 1 - 1¼ - 1½ - 2 - 2¼ in.
Suction and Tank Hose—2¾ to 5½ in. O. D.

Send for Folder, Samples and Discounts.

J. R. CLANCY, Inc.

Syracuse New York



MASTER *Rules*

Above—The Master Tape Rule Marked on Both Sides. Inside Measure, too. Stands Up Right.

Left—Master Duplex Mitre Square Rule. Measure at any angle. Mark at any angle. Read at any angle. Vertical markings. Graduations on all four edges.

Creators of INTERLOX Sliding Rule and a complete line of folding rules.
Write for Circulars and Prices

MASTER RULE MFG. CO., INC.

817 E. 136th St. NEW YORK CITY

BARTLETT

COMPOUND LEVER SNIPS

Drop forged crucible tool steel. Made in sizes 8 to 14 inches. Every part built to stand the most rigid strain and all shears are fully guaranteed. Cuts 18 ga. metal easily.

PRUNING TOOLS

LONG POLE PRUNERS

No. 1-W (illustrated) Rope Pull Type furnished in sectional poles. No. 1-R compound lever has wire pull with hand lever at lower end. Waters Pattern (quality tool), poles 6 to 16 feet.

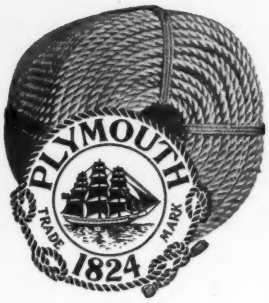
TWO HAND PRUNER

No. 707. Drop forged tool steel with 26" white ash handles. Retails, $2.50.

BARTLETT MFG. CO. 3034 E. Grand Blvd. Detroit, Mich.

PLYMOUTH
SHIP BRAND MANILA ROPE

3-STRAND
SHIP BRAND MANILA



PLYMOUTH 3-Strand Ship Brand Manila Rope is a standard cordage product carried in stock by hardware distributors and dealers from coast to coast. The well-known Ship Brand trademark is a guarantee of strength, endurance, dependability, and *salability*. Hardware dealers sell Plymouth 3-Strand Ship Brand Manila Rope for:

- Automobile Tow Lines
- Boating and Fishing
- Trunk Rope and Clothesline
- Tethering Stock
- Halter Rope
- Tent Rope and Camping
- Hammocks, Swings, and Sleds
- Flag Halyards
- Boy- and Girl-Scout Uses
- Hauling and Stump Pulling
- Icing and Lumbering
- Scaffolding and Construction
- Moving and Rigging
- Quarrying
- Trucking
- Hay Hoisting Equipment

Write direct to us, at the address given below, or get in touch with your own jobber for information on sales-building counter and window display material. Many dealers have proved that "it's easy to sell Plymouth Rope if you display it."

SALES BRANCHES

New York, Chicago, Boston, Baltimore, New Orleans, Fort Worth

PLYMOUTH CORDAGE COMPANY
North Plymouth, Mass., and Welland, Canada

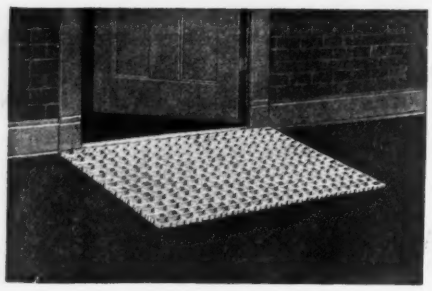
The Rope You Can Trust

Three ACME Items

That Will Help Your Sales

Stock these Acme Steel specialties and be prepared to meet the all-year-round demand for hardware of this kind. You are certain to have calls for metal door mats, box strapping and corrugated fasteners. Order from the factory that has been specializing in the manufacture of high quality steel goods since 1880.

Acme Flexible Steel Door Mats



Good looking, sanitary, durable mats, heavily galvanized to resist rust. Built to withstand hard and continuous usage indefinitely. Reversible and can be rolled like a rug. Easily cleaned.

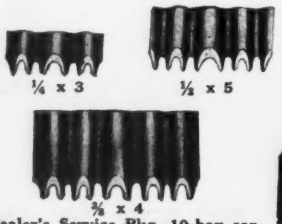
Widely used by schools, stores, restaurants, offices and factories as well as homes. Nine standard sizes. Also made in rolls for corridors, lobbies, in front of elevators, etc.

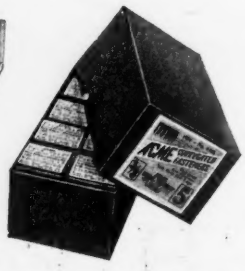
STANDARD SIZES ACME MATS

No.	Size Ins.	Price	No.	Size Ins.	Price
1	16x24	$1.50	5	30x48	$5.25
2	18x30	2.10	6	36x48	6.15
3	22x36	2.95	7	36x54	6.90
4	24x42	3.60	8	36x60	7.90
			9	36x72	9.40

The above are suggested retail prices.
Send for Sample Mat and Quantity Discounts.

Acme Corrugated Fasteners





Dealer's Service Pkg. 10-box carton of tack point fasteners (100 to a box)

Improved saw-edge style Tack-Point Corrugated Fasteners. Preferred by carpenters, cabinet makers and woodworkers. Make strong woodjoints—drive easier and hold better than ordinary fasteners. ¼ to 1 in. wide with two to six corrugations, either divergent or parallel. Also furnished in long length coils for use on automatic driving machines. Send for samples and prices.

LIST PRICES PER THOUSAND FASTENERS
Tack-point saw edge and plain edge

Number of Corrugations	Inches in Depth						
	¼	⅜	½	⅝	¾	⅞	1
2	$0.45	$0.55	$0.60	$0.80	$0.90	$1.00	$1.15
3	.60	.75	.85	1.00	1.15	1.35	1.45
4	.75	.95	1.05	1.30	1.45	1.75	1.85
5	.90	1.20	1.30	1.70	1.85	2.20	2.40
6	1.10	1.40	1.50	1.85	2.15	2.55	2.85
7	1.30	1.60	1.80	2.20	2.50	3.00	3.35

Heavy type indicates the most widely used sizes.

In ordering fasteners state, in addition to quantity, the width, depth, style corrugation and packing. Example: 25M ½ x 5 Acme Divergent Tack-Point fasteners, cartons of 100 each.

Acme Nailezy Embossed Box Strapping

You can sell this item to nearly every manufacturer and shipper in your territory. It combines unusual strength with ease in application. Assures boxes reaching their destination in good condition. Made in styles and sizes to meet many requirements. Supplied in standard coils or cut to length. The 300 ft. coils, wound on individual coil holders, are very convenient to handle and are popular sellers. In 6 widths, ⅜" to 1" inclusive.

ACME NAILEZY LIST PRICES—COILS

Width Inches	300 Ft. Coils per Coil	Coils per Case	Large Coils	Per Coil
⅜	$0.90	20	4000′	$12.00
½	1.00	20	3000′	10.00
⅝	1.25	20	3000′	12.50
¾	1.50	20	2000′	10.00
⅞	1.75	10	2000′	11.65
1	2.00	10	1500′	10.00

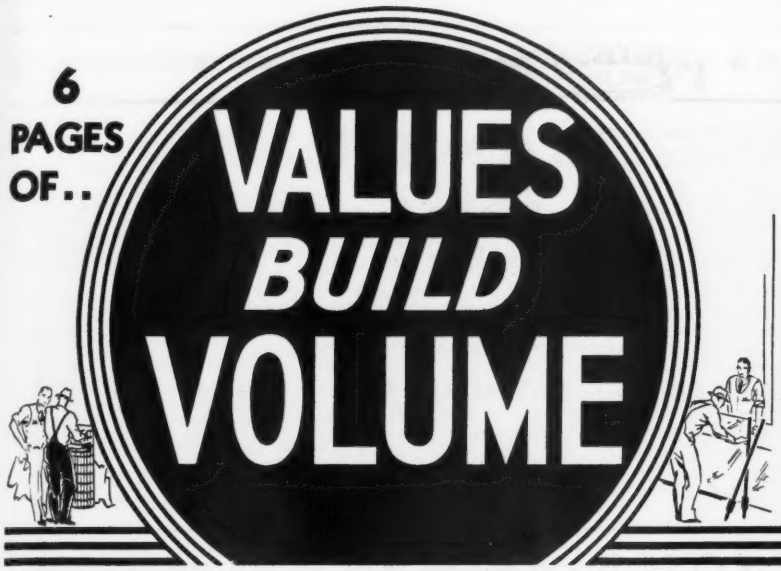
Samples and quantity discounts on inquiry.

300 Ft. Coils

ACME STEEL COMPANY
2838 ARCHER AVENUE CHICAGO
Branches in Principal Cities

6 PAGES OF..

VALUES BUILD VOLUME

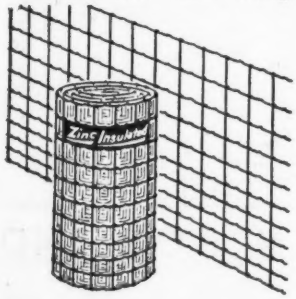


PROFIT BY FEATURING American QUALITY Steel & Wire Company WIRE AND WIRE PRODUCTS

At no time has the need been greater to emphasize the true economy of high quality—to stamp out profitless "price" merchandising. Offer your trade and stand by nationally known values. Sell them aggressively and profit! Five pages of dependable, turnover merchandise follow! Each is a guide to volume sales.

FAMOUS Zinc Insulated FENCES ALWAYS IN ACTIVE DEMAND

By insulating every wire with a heavy coating of pure zinc, by the zinc insulation process, Zinc Insulated Fences are vested with an unusual resistance against corrosive elements. This means longer life—an established fact throughout the country—and makes possible the strongest possible guarantee of service.



GENERAL SPECIFICATIONS

Zinc Insulated Fences are available in every style, size, gauge and weight to meet every need. Every roll is guaranteed full weight, full gauge, and full length. Constant laboratory check and supervision of each step in manufacture safeguards quality—assures unfailing uniformity. In selling Zinc Insulated Fences, you do more than supply full value fencing—you perform a definite service for the customer—paving the way for increased sales and profit.

IN THE FOLLOWING BRANDS

American Anthony U. S. Royal Monitor National Prairie Ellwood

IMPORTANT

Moving goods today at a profit is a matter of sound, aggressive merchandising.

AMERICAN STEEL & WIRE COMPANY

208 So. La Salle St., Chicago
94 Grove St., Worcester

SUBSIDIARY OF UNITED STATES STEEL CORPORATION
AND ALL PRINCIPAL CITIES

Empire State Bldg., New York
First National Bank Bldg., Baltimore

Pacific Coast Distributors: Columbia Steel Company, Russ Building, San Francisco

Export Distributors: United States Steel Products Company, New York

CONTINUED ON NEXT PAGE

PROFIT BY FEATURING American QUALITY Steel & Wire Company NATIONALLY KNOWN PRODUCTS

Built Like a Railroad Rail

ORANGE BANNER

REG. U. S. PAT. OFF.

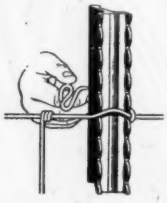
STEEL FENCE POSTS...

Self Anchoring.. One Man Does the Job

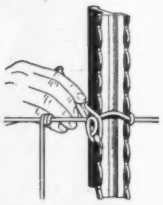
● Note this sturdy post construction—built like a railroad rail—made of tough new steel to provide a lifetime of service. Think of the sound value it enables you to offer your trade. Large slit wing anchor roots the post into the ground as it is driven. No holes to dig—one man does the job.

ANCHORS SOLID AS A ROCK IN ANY SOIL

Frequent notches on face of post make it easy to secure any or every line wire. Seven clamps are furnished free with each post—no staples to buy. Furnished in 5, 6, 6½, 7, 7½ and 8 ft. lengths—either painted Orange or galvanized. Orange Banner Posts are finished with a heavy coat of special steel paint baked on under a high temperature.



Demonstrating Ease with Which Special Clamps are attached.



To twist the clamp tight, simply place large nail in the loop.

IDEAL U FENCE POSTS

A READY SELLER EVERYWHERE

● Truly—the ideal U Post. Made extra strong and durable of new steel especially developed for this purpose. Patented anchor plate grips the soil—assures rigid anchorage and a tight fence line. No holes to dig. One man does the job complete. To those post buyers who prefer a U post, here is a quality that is sure to please them. Painted green and furnished in same lengths as Orange Banner Steel Posts.

AMERICAN TUBULAR STEEL POSTS

PAINTED OR GALVANIZED

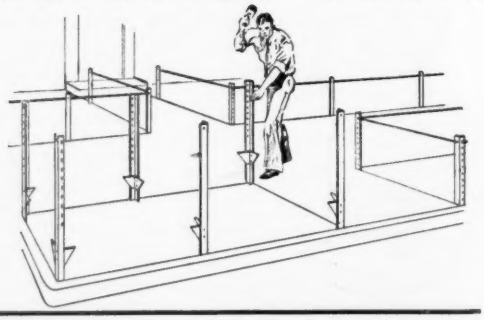
● A strong, dependable post—made of new steel, especially developed for the purpose—rolled into a straight cylinder 1¾ inches outside diameter. Available in 9 lengths—No. 14½ and No. 13½ gauges. Hot galvanized finish—galvanized after forming inside and out. Painted Posts, covered inside and out after forming with special Black paint—elastic, will not chip.

GREEN ANGLE LAWN PROTECTOR POSTS

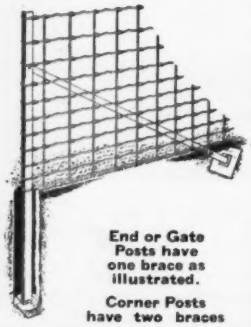
A New Idea in Post Merchandising

● You'll find many prospects for this sturdy, good looking post. Parks, cemeteries, home owners—all need this protection. Post is 3 ft. in length—2 ft. when set. Made of angle steel 1¼" x 1¼" x 9/64". Equipped with 2 way, 90 degree shaped anchor—aids easy driving—insures rigidity. Packed to your order—or sold in sets of 12 with 100 feet of Special Flexible Lawn Strand—a combination offer to attract trade.

Special Flexible Lawn Strand—heavily galvanized—put up in 100 ft. coils—the ideal fence line for Green Angle Posts.



NATIONAL DIRT SET EXPANDING ANCHOR END AND CORNER POSTS

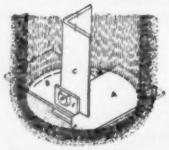


End or Gate Posts have one brace as illustrated.

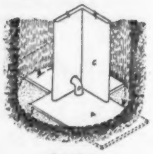
Corner Posts have two braces

● Complete the sale of fencing and line posts by furnishing National End and Corner Posts. Add an extra profit to the order. National Posts can be set in 20 minutes without the use of concrete. No large holes to dig. Patented folding anchor is turned clockwise as illustrated, expanding the anchor plates, forcing them into undisturbed soil, which gives the post unusual holding power. End Posts furnished with one brace and brace plate—Corner Posts with two braces and brace plates. Supplied in three weights, three lengths—painted attractive orange or green.

Showing folded anchor in bottom of hole.



Expanding anchor partly opened.



Anchor expanded.

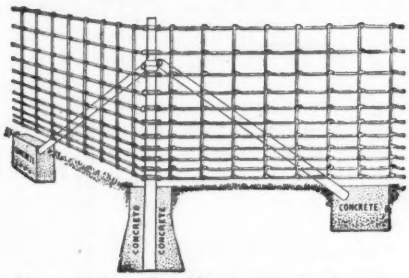
CONTINUED ON NEXT PAGE

PROFIT BY FEATURING American QUALITY Steel & Wire Company NATIONALLY KNOWN PRODUCTS

AMERICAN STEEL POSTS

END, GATE AND CORNER

• Strong, durable, ornamental—here is America's finest Post. Rolled from new steel, No. 8 gauge, and formed into a cylinder of 2½" Outside diameter. Many attractive sales features. Furnished galvanized after forming, thus fortifying every particle of surface, inside and outside, with a heavy protective coating of pure zinc. An extra heavy zinc coat is applied to the post below the ground line. Also furnished with a heavy coat of paint—prepared especially for this purpose—giving a high gloss that will not chip or crack. Made of No. 8 gauge metal in the following lengths: 6, 7, 7½, 8, 9, 10, 11.

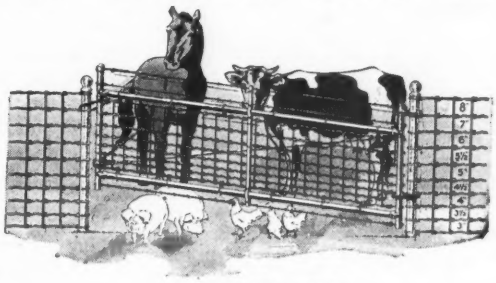


Also made from No. 13½ gauge steel and known as Junior Posts.

AMERICAN GALVANIZED STEEL GATES

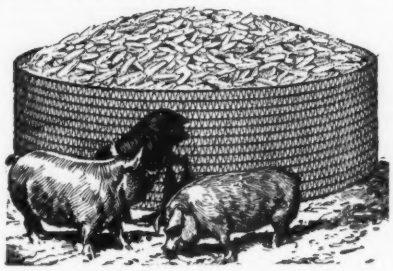
For Field, Park, Garden and Lawn

• Gates, both durable and ornamental, are swinging more and more into popular favor. From this one source, you may obtain American Quality Gates for every purpose—for park and paddock, field, lawn, drive and poultry yard. Special attention is called to the New Tilting Farm Gate—made of new National seamless tubing—a combination tilting and lift gate that is easily adjusted to four positions—tilted, raised, tilted and raised, or closed.



New Tilting Farm Gate

AMERICAN AND PRAIRIE CORN CRIBS

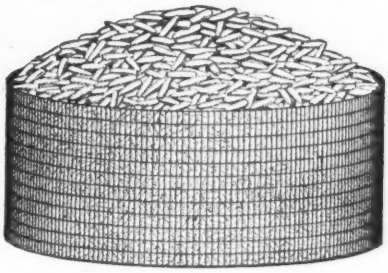


American

FAMOUS Zinc Insulated QUALITY THROUGHOUT

American Corn Cribs—furnished in two sizes, No. 50 containing one piece or section—No. 75 containing two pieces, put up in one roll. Made of Zinc Insulated Diamond Mesh Wire Fabric.

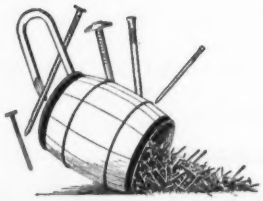
Prairie Corn Cribs—Zinc Insulated, square mesh, 2x4 inch, Stiff Stay, Staple Tie Construction. Furnished in one section or in two pieces put up in one roll. Easily, quickly erected—simply open roll, bring ends together and splice horizontal wires.



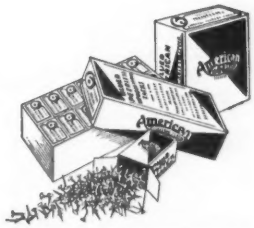
Prairie

EVERY STYLE OF NAIL, TACK AND STAPLE

TO MEET EVERY NEED . .



Un-common quality in common things brings its reward in repeat sales. Offer your trade American Quality. Tacks—clean, strong well centered heads, sharp points—every kind. Nails, bright, galvanized and Pearson Coated—made from hard steel—perfect heads, sharp pointed—American Quality throughout. Also—Staples for every purpose—the kind that drive true and hold.



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PROFIT BY FEATURING American QUALITY Steel & Wire Company NATIONALLY KNOWN PRODUCTS

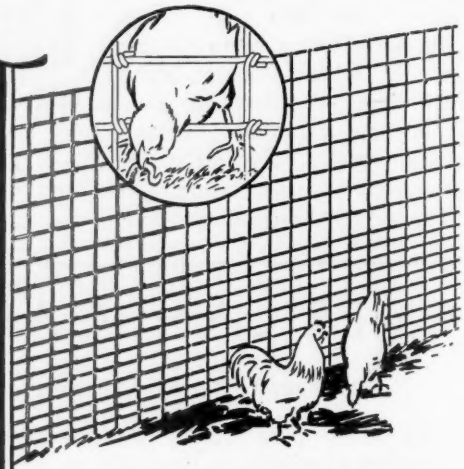
..SIX OUTSTANDING VALUES IN POULTRY FENCE AND POULTRY NETTING..

In a range of Heights and Gauges to meet every need

BANNER POULTRY FENCE

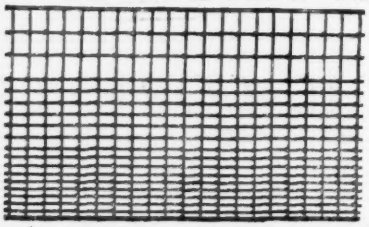
WITH CONTINUOUS STIFF-STAY CONSTRUCTION

● Meet every need for a long life, rigid, truly economical poultry fence with Banner quality. Heavily galvanized, possessing the required tensile strength and elasticity—Banner Poultry Fence is made to last. It will stand for years—as straight—as true—as firm as the day it was erected. Furnished in a range of heights and gauges to meet every requirement.



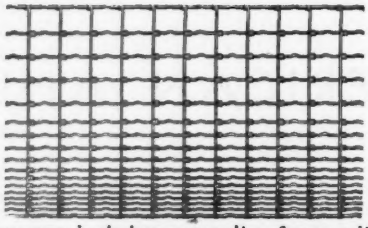
No Top or Bottom Boards Required

UNION LOCK POULTRY FENCE



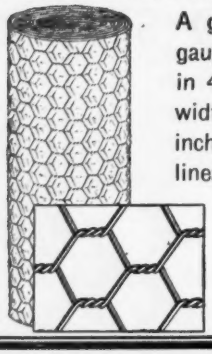
● A closely spaced, woven wire poultry fence—square mesh—made of heavy, well galvanized No. 19 gauge stay wires and two strand No. 20 gauge cable horizontal bars. Stretches up tight on uneven ground like a stock fence. Furnished in five heights—available at a medium price to assure steady, profitable sales.

PROTECTOR POULTRY FENCE



● A new one-inch heavy poultry fence with four one-inch spaces at the bottom. Furnished in four heights—36", 48", 60" and 72"—in 10 and 20 rod rolls. Stay wires are 6 inches apart. Built good and strong—heavily galvanized—ideal for poultry yard, garden, orchard and kennel.

AMERICAN HEXAGON NETTING



A guaranteed full weight, full gauge, full length netting. Made in 4 standard sizes of mesh, 9 widths ranging from 12 to 72 inches, furnished in rolls of 150 lineal feet. Easy to unroll—easy to erect—hangs straight and flat. Can also supply straightline netting in sizes regularly manufactured.

AMERICAN QUALITY WIRE

Meets Every Need at Lowest Cost

Annealed and Galvanized Fence Wire—Nos. 0 to 18 inclusive. Highest quality constantly maintained. Galvanized Brace Wire—Nos. 8 and 9 gauge—in 5 lb. coils—100 lb. bundles. Stone Wire—Bright, Annealed, Galvanized, Tinned or Coppered finishes.

SOFT GALVANIZED WIRE IN HANDY COILS

Because they save time, pack well, and are easy to handle and display, dealers favor this dependable wire in handy 10 lb. and 25 lb. coils. Sizes 9 to 18 inclusive.

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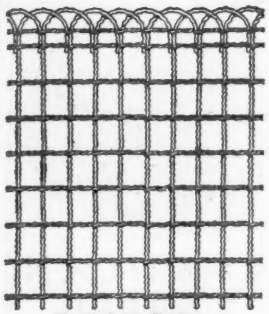
PROFIT BY FEATURING American QUALITY Steel & Wire Company NATIONALLY KNOWN PRODUCTS

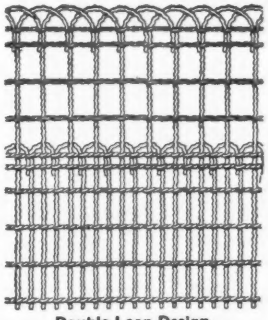
AMERICAN LAWN FENCE

Single and Double Loop



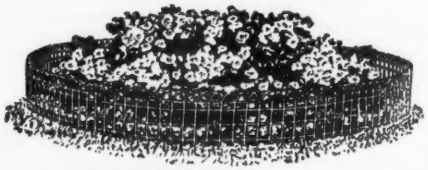
Single Loop Design
Non-Climbable Construction

• Great durability and smart trim appearance are admirably combined in this popular Lawn Fence. Made of stiff steel wire pickets. No. 9½ wire—firmly bound together with lateral cables formed of two strands of No. 13 tough steel wire. Heavily galvanized. Furnished in 2 styles—Single Loop, with pickets spaced 3″ apart—and Double Loop with pickets spaced 3″ apart at the top, and 1½″ apart at bottom. Both styles made in five heights: 30, 36, 42, 48 and 54 inches. Furnished in 10 or 20 rod rolls.



Double Loop Design
Stout, Smooth Steel Pickets

AMERICAN FLOWER BED BORDER FENCE



• Same design as Single Loop Lawn Fence. Offers permanent protection to flowers, vines and other plants. Made in 2 weights, No. 9½ and No. 11 gauge wire pickets—bound together with 2 strand lateral cables of No. 13 wire. Furnished in 3 heights: 16, 22 and 28 inches.

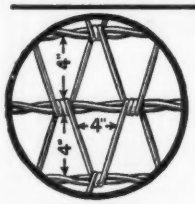
AMERICAN TRELLIS

• An artistic support for flowers and climbing vines. Holds its shape and is easily and quickly erected. Made of crimped, heavily galvanized wire. Pickets 11 gauge spaced 4 inches apart with cables of No. 13 gauge wire. Furnished in 3 widths—18″, 24″, 30″—in rolls of 100 and 150 feet.

Zinc Insulated DIAMOND LAWN FENCE

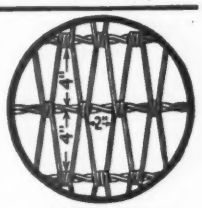
REG. IN U.S. PAT. OFF.

Two-inch and Four-inch Mesh



4-Inch Mesh
No. 14 Cross Wires
2 Strand,
No. 12½ Cables

• A durable, closely spaced, non-climbable Lawn Fence. Designed especially for residences, fair grounds, factories, parks, athletic fields, race tracks and cemeteries. At every second cable, the cross wires are wrapped around the cable, thus forming a perfect hinge joint. Furnished in six heights, four styles—two or four inch mesh—in 10 and 20 rod rolls.



2-Inch Mesh
2 or 3 Strand Cables
No. 14 or No. 12½
Cross Wires

AMERICAN BALE TIES

The best protection for bales of all kinds. Made to the highest perfection possible—built to stand great strain. More and more shippers demand the extra value in American Bale Ties.

PERFECTION SPRINGS

For Doors and Gates

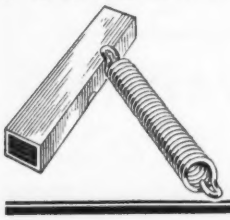
Perfection Door Springs—Dependable, inexpensive—easily applied to any door. Packed 12 to box, with Japanned screw hooks, 1 to 5 gross cartons.

Perfection Gate Springs—made of No. 12 wire—1⅛″ outside diameter—16″ over all. Japanned finish, hook on each end.

Packed in the Green Box with the Blue Label.

PERFECTION SPRINGS

For Porch Swings



Packed 2 springs to the box. Strong, sturdy construction. Will give lasting service, and the price is a popular one. Bright Japanned finish—an excellent value that your trade will readily appreciate.

AMERICAN CLOTHES LINES

An American Quality wire product. Strong, durable, easy to keep clean. Made in three styles—hollow cables, twisted and solid. Furnished in 50 to 100 foot length coils. Many sales will result by merely calling American Clothes Lines to the attention of your trade.

CONTINUED ON NEXT PAGE

Meeting the Dealer's Need for MERCHANDISING ASSISTANCE

• The day of "better mouse trap" merchandising is past. It is not alone necessary to build and stock the finest products obtainable—but equally essential that they be aggressively promoted and sold. Quality plus sound merchandising are the factors that make for better business, better profit.

And so—as a dealer in American Quality Wire and Wire Products—there is made available to you a proved merchandising co-operation—embracing a full "chest of tools" with which to increase sales volume.

EVERYTHING TO HELP YOU SELL

• Broad, indeed, is the co-operation rendered you by this organization. It includes not only the furnishing of practical advertising and sales material, but individual assistance in the planning and preparation of selling campaigns to meet specific problems.

Magnets at the Point of Sale . .

• Proper displays at the point of sale are like magnets—serving to attract trade from those who know the worth and dependability of American Quality—from others who have been influenced to buy through National advertising. You may obtain from us free, attractive window and counter display cards, lithographed metal signs, wall hangers—also stuffers, folders and blotters covering individual items.

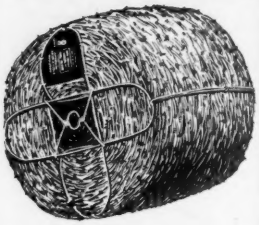
Proved Cooperation is Big Need Now . .

• You cannot afford to experiment—it would be unwise for us to furnish anything but the most practical material. Accordingly, the sales "helps" provided by this organization are based on sound retail merchandising experience. Other "helps" include newspaper electrotypes, motion picture subjects, letter folders, tags, stickers, streamers—a complete merchandising line-up.

Individual Merchandising . .

• With your aid, we will gladly assist you in planning special letters, folders, handbills and newspaper advertising for specific selling events. A letter from you outlining your needs, your objective, will receive our prompt attention.

FAMOUS FOR VALUE *THE COUNTRY OVER*



AMERICAN BARBED WIRE

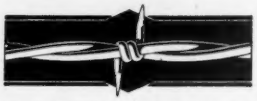
•

Made by the originators of barbed wire, American Quality has stood the test of time. Guaranteed full spools—furnished in styles to satisfy every preference.

Waukegan Two or Four Point

Lyman Four Point

Ellwood Junior Two Point



American Glidden Two Point

American Special Two Point

Ellwood Glidden Two Point

AMERICAN STEEL & WIRE COMPANY

208 So. La Salle St., Chicago
94 Grove St., Worcester

SUBSIDIARY OF UNITED STATES STEEL CORPORATION
AND ALL PRINCIPAL CITIES

Empire State Bldg., New York
First National Bank Bldg., Baltimore

Pacific Coast Distributors: Columbia Steel Company, Russ Building, San Francisco

Export Distributors: United States Steel Products Company, New York

AMERICAN

STEEL SHEETS FOR EVERY PURPOSE

High Grade Products for Hardware and Building Construction Fields

AMERICAN Products are well made in every particular, with close adherence to uniform quality standards — and are particularly adapted to the hardware trades, building interests, stove and range makers, and to all general sheet metal contractors' requirements and shop fabrications.

BLACK SHEETS—

Standard finishes, supplied in either Bessemer or Open Hearth Steel; American Blue Annealed, American Hot Rolled, American Cold Rolled, and other standard Black Sheets.

SPECIAL SHEETS—

These include American Furniture Sheets, Enameling Sheets, Special Locker Sheets, Range Steel, etc., also American Keystone Wellsville Polished Sheets, and Blued Stove Pipe and Elbow Stock; Electrical Sheets; Automobile Sheets; and Sheets for special purposes.

GALVANIZED SHEETS—

Apollo Best Bloom Galvanized has been the recognized leader since 1884; Apollo-Keystone Galvanized (with copper steel base) gives maximum rust-resistance; also American Galvannealed and "Seal of Quality" Heavy-Coated Galvanized.

STAINLESS STEEL SHEETS—

American USS Stainless and Heat Resisting Steel Sheets and Light Plates for all uses to which these products are adapted.

FORMED ROOFING AND SIDING—

Supplied in Corrugated Sheets, with all standard corrugations; V-Crimped, Standing Seam, Roll and Cap Roofing; and also Pressed Brick and Stone Siding, Weatherboard Siding, Plain and Corrugated Ridge Roll and V Capping, and other standard Roofing and Siding patterns. Keystone quality (alloyed with copper) gives maximum rust-resistance.

BRIGHT TIN PLATES—

American Coke and American Charcoal Bright Tin Plates, in grades adapted to all requirements.

ROOFING TERNE PLATES—

American Terne Plates, highest quality produced, 8 to 40 pounds coating; also Keystone Copper Steel Long Terne Sheets.

This Company manufactures a complete line of Sheet and Tin Mill Products for all known purposes. Write nearest District Sales Office for full information. Supply AMERICAN products to your trade, and look for the brands of service and satisfaction. Send for literature.

US STEEL

American Sheet and Tin Plate Company

General Offices: Frick Building, Pittsburgh, Pa.

SUBSIDIARY OF UNITED STATES STEEL CORPORATION

KEYSTONE COPPER STEEL AMERICAN SHEET AND TIN PLATE COMPANY PITTSBURGH

DISTRICT SALES OFFICES:

CHICAGO, ILL. - The 208 So. La Salle Street Building
CINCINNATI, OHIO - - Union Trust Building
DENVER, COLO. - - First National Bank Building
DETROIT, MICH. - - - Buhl Building
NEW ORLEANS, LA. - - - 921 Canal Street
NEW YORK, N. Y. - - - 71 Broadway
PHILADELPHIA, PA. - - - Widener Building
PITTSBURGH, PA. - - - - Frick Building
ST. LOUIS, MO. - Mississippi Valley Trust Building

Pacific Coast Distributors—Columbia Steel Company, San Francisco, California.
Export Distributors—United States Steel Products Company, New York, N. Y.

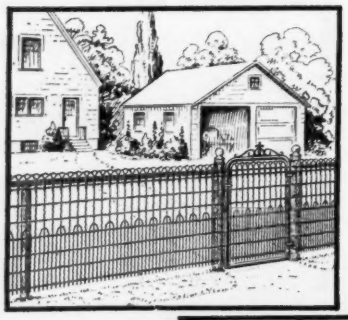
CYCLONE FENCE COMPANY

SUBSIDIARY OF UNITED STATES STEEL CORPORATION

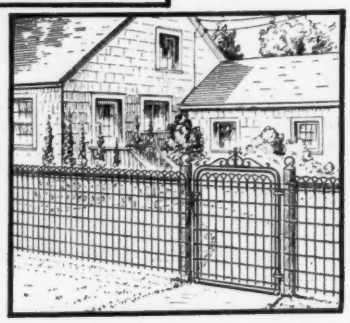
General Offices : : Waukegan, Illinois

Pacific Coast Division: STANDARD FENCE COMPANY, Oakland, California

Cyclone "Red Tag" Lawn Fence

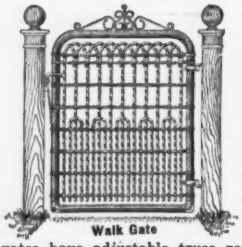


Style "F" Fabric, appropriate for front and back yard or division fence. Can be erected either on wood posts and 2x4 top rail or steel posts. Heavily galvanized pickets 3 inches apart at top, 1⅜ at bottom. Cables are two-ply galvanized wire 6 inches apart except the two at top which are 2⅝ inches apart.



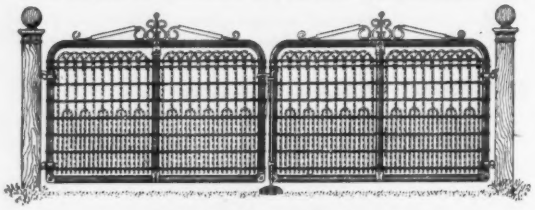
Style "L-Extra" Fabric, a high grade moderately priced fence. Can be erected either on wood posts and 2x4 top rail or steel posts. Built in two types with pickets spaced either 1⅞ or 3 inches apart from top to bottom of fence. Cables are of heavy two-ply galvanized wire 6 inches apart except the two at top which are 2⅝ inches apart.

Cyclone Gates

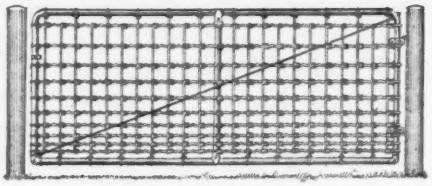


Walk Gate

Walk gates, for 2½, 3, 3½ and 4 foot openings, 36, 42 or 48 inches high, made of 1⅛ inch outside diameter steel tubing with inside corner fittings. **Double Drive Gates,** steel tubing frames 1⅛ inches outside diameter, 36, 42 and 48 inches high. **Single Drive Gates** 8 to 16 foot openings. Style **"A" Farm Gates,** frames 1⅝ inches outside diameter steel tubing, 48 and 54 inches high. Fabric heavily galvanized, closely spaced and securely woven into the framework. Single Drive and Style A gates have adjustable truss rod to prevent sagging. All above gates finished all galvanized or with frame painted green.



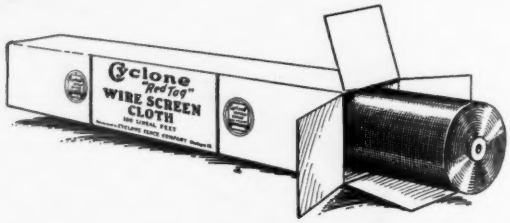
Double-Drive Gate



Style "A" Farm Gate

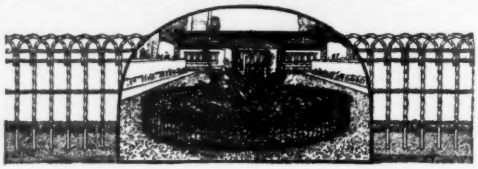
Cyclone "Red Tag" Wire Screen Cloth

Cyclone Screen Cloth is uniformly woven with full-gauge wire. It is easy to handle, lies flat—no curling. Has two-wire selvage. Furnished painted black, galvanized, bronze or copper, widths 18 to 48 inches, meshes 12, 14, 16, 18. Each roll exactly fits and is securely protected by the new container.



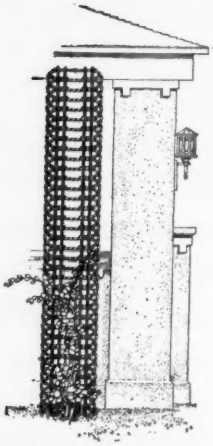
Cyclone Flower-Bed Border

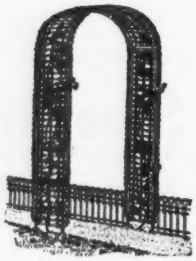
for flower beds, lawns, terraces, etc. Easily installed, will conform to any shape. Pickets of galvanized wire 3 inches apart. Cables of two-ply galvanized wire 6 inches apart except two at top which are 2⅝ inches apart. 16, 22 and 28 inches high.



Cyclone "L-Extra" Trellis

An artistic and durable support for climbing vines and flowers; harmonizes with home surroundings. Retains its shape perfectly, will last indefinitely. Corrugated galvanized wires spaced 4 inches apart. Made in three widths; 18, 24 and 30 inches. Put up in standard length rolls 100 and 150 feet.





Trellis on Tubular Steel Frames

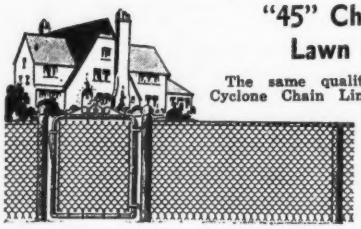
Framework of ⅞ inch O.D. tubular steel. Fabric is Style "L-Extra" Trellis. Firmly attached to framework by means of wire bands. Fabric made 24 inches wide. Upright members extend 18 inches into ground. Openings 4 and 5 feet wide—7 and 8 feet high.

CYCLONE FENCE COMPANY

SUBSIDIARY OF UNITED STATES STEEL CORPORATION

General Offices : : Waukegan, Illinois

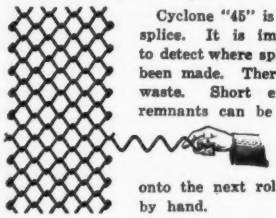
Pacific Coast Division: STANDARD FENCE COMPANY, Oakland, California



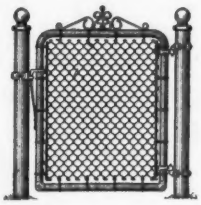
"45" Chain Link Lawn Fence

The same quality as the famous Cyclone Chain Link Fence. No. 12 gauge Steel Wire 1½ inch mesh, galvanized after weaving. For erection on wood or steel posts. Provides maximum property protection.

Easy to Splice

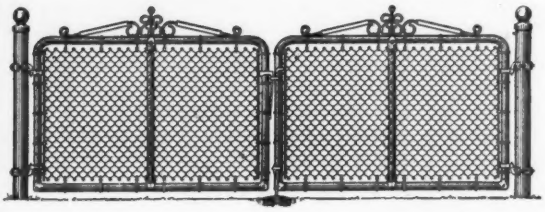


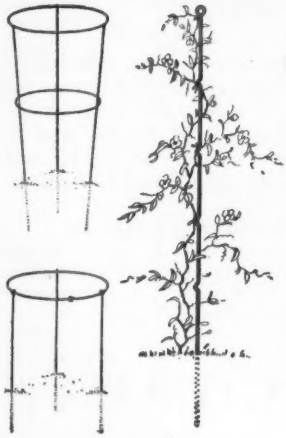
Cyclone "45" is easy to splice. It is impossible to detect where splice has been made. There is no waste. Short ends or remnants can be spliced onto the next roll easily by hand.



"45" Chain Link Gates

Heavy tubular steel, 1⅛ inch outside diameter. All galvanized finish. Hinges and catch regularly furnished for wood posts, but when desired steel post fittings can be supplied at small additional cost. Single walk and double drive both 45 inches high. Openings for walk gates are 3 and 3½ feet. For drive gates 8, 10 and 12 feet.

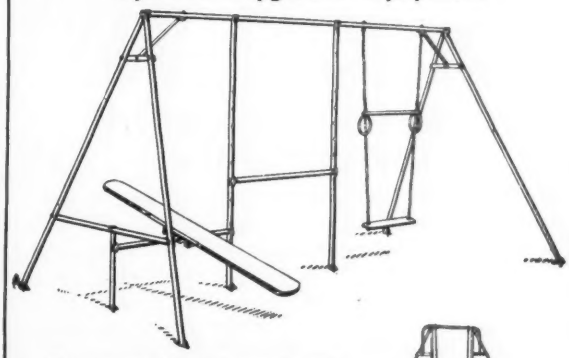




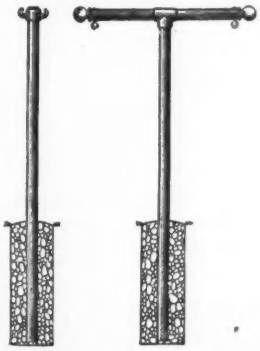
Tomato and Peony Guards—Plant Props

Both the rigid and the collapsible Tomato and Peony Guards are strong enough to support heavy plants and flowers. Rigid type made in two sizes, 14 and 20 inch diameter at top. Both 30 inches high. Collapsible guard folds up when taken out of ground. 24 and 30 inches high—14 inch diameter. Plant Props of galvanized wire, notched for more secure fastening—36, 42 and 48 inches high with 3, 4 and 5 notches respectively.

Cyclone Playground Equipment



Extra strength built into every part to withstand rough usage and insure long wear. The large unit requires 13 x 7½ feet ground space. Swing quickly interchangeable with rings or trapeze. Horizontal bar adjustable to any height. Teeter-totter also adjustable. Shipped K.D.—ready for easy assembly. No cutting. No holes to drill. Just bolt together. The small unit is very popular, being just the right size for many homes, requires 6 x 6½ feet ground space. Made of same material and construction as the large unit.

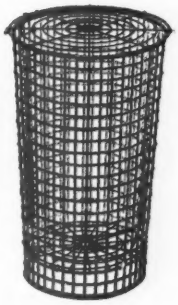


Clothes Line Posts

Upright posts are heavy steel tubing 2½ inches outside diameter 9 feet 6 inches long to go 3 feet in ground. Posts should be set in concrete. Furnished galvanized or painted green. Cross arm is 2 inches outside diameter steel tubing securely fastened to upright post by heavy malleable iron fitting. Hooks made of 5/16 inch round iron securely fastened.

Cyclone "Catch-All" and "Burnit" Baskets

These rubbish burners find many uses in the home. They are popularly priced, well made and sturdy. The "Catch-All" is 29 inches high 20 inches in diameter at top. Intersections electrically welded. Baked green enamel. The "Burnit" basket is furnished in three sizes 20, 23 and 28 inches high. Heavily galvanized. All baskets have covers and pressed steel reinforcement rims at top and bottom.



Leaf Baskets

Are large and durable. Burn leaves right in basket. Size 3½ x 3 feet. Height 2½ feet. Iron rods around top and bottom for reinforcement. Painted black.

Genuine New York Wire Cloth is always identified by the special selvage—two sets of double parallel wires along each selvage edge. Always look for this positive identification. » » » » » »

OPAL ZINC COATED, WHITE SATIN FINISH

Opal is made from the best hard drawn steel wire, full gauge and evenly woven. Its surface is smooth, weather-resisting and resilient—stays flat when unrolled. Opal wire screen cloth is covered with a transparent, flexible lacquer to prevent soiling and discoloring; preserves the White Satin Finish.

LIBERTY GOLDEN OR ANTIQUE BRONZE

Liberty is made from hard drawn bronze metal wire, 90% copper and 10% non-corrosive alloy. It is full gauge and perfectly woven with uniform mesh and straight lines. Two finishes are available—Golden Bronze or Antique Bronze. Both are covered with transparent flexible lacquer. Stronger, more resilient and durable, better looking than ordinary bronze screen cloth.

YORK BRAND BLACK PAINTED ENAMEL FINISH

York Brand is made of the very best hard drawn steel wire, full gauge and perfectly woven, with uniform mesh and straight lines. It has a firm, smooth, resilient surface and lies out straight and flat when unrolled. This screen cloth is coated with flexible, brilliant, jet black enamel.

ALDURA ALUMINUM SCREEN CLOTH

To give home-owners something new and suitable, the New York Wire Cloth Company has perfected a screen material which already has secured wide favor. It is light, strong, easy to handle and to sell. Made from a strong aluminum alloy. Will not streak or discolor window sills or other painted surfaces.

ALL NEW YORK WIRE CLOTH COMPANY'S SCREEN CLOTH COMPLIES WITH THE INDUSTRY'S SIMPLIFICATION PROGRAM R 122-31, ISSUED BY THE DEPARTMENT OF COMMERCE, BUREAU OF STANDARDS, FULL DETAILS OF WHICH ARE SHOWN ON PAGE 7 OF THIS ISSUE.

Vimlite, the better glass substitute, consists of a thick chemical film on a wire-cloth base. It passes the sun's ultra-violet rays. Vimlite is light, flexible and strong. Manufactured in rolls of 25, 50 and 100 lineal feet; widths 28 and 36 inches.

USED FOR WINDOW LIGHTS IN

Poultry houses	Dog kennels	Hot-beds
Rabbit hutches	Play-houses	Cold-frames
Hog houses	Greenhouses	Sun-rooms
	Porch-enclosures	

NEW YORK WIRE CLOTH COMPANY

342 MADISON AVENUE, NEW YORK CITY

The Stewart LINE ------ 4 aces!

With four aces in one hand you can hardly lose—we feel that way about the Stewart line of products which can be classified as four aces—The ace of Gates; the ace of Lawn Fitments; the ace of Fence; and the ace of Miscellaneous Iron and Wire Products.

WRITE *for* STEWART DEALER PROPOSITION

Folding Gates

Stewart Folding Gates are adapted to the use of places where limited space is a factor. Design Illustrated No. 11488.
When requesting price—send sketch showing width and height of opening and where gate is to set.

GATES—*Entrance, Walk, Folding*

Iron Entrance Gates

For 46 years Stewart has manufactured plain and ornamental entrance gates for all requirements. Many such sales have been made through hardware dealers. The Stewart catalog should be in your files for reference.

Vases

Stewart Cast Iron Vases are used by parks, cemeteries; for settings at entrances, etc. A copy of our No. 27 Vase catalog will be sent upon request.

LAWN *and* GARDEN *Fitments*

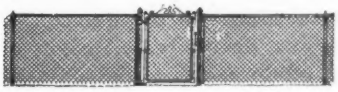
Lawn Furniture—Settees

A popular and salable item. Used for homes, parks, playgrounds. A complete line of all steel or slat settees. Catalog No. 27 upon request. Quantity discounts.

Plain and Ornamental Iron Fence

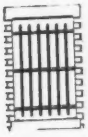
Wrought Iron Fence for homes, schools, churches, cemeteries, etc. Over 500 designs available. Write for Stewart Fence catalog and discount data.

FENCE—*Iron and Chain Link*



Chain Link Wire Fence

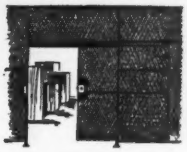
High quality durable, genuine Chain Link Wire Fences for all purposes. Made of copper bearing steel wire, galvanized after weaving. Write for Chain Link Fence catalog.



Window Guards

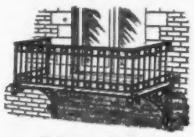
Stewart Window Guards are made of any size material from 3/8" to 3/4" any shape desired. In requesting price send overall measurements of complete opening.

Miscellaneous—Iron & Wire Work



Wire Partition Work

Standard Partition 1½" mesh No. 10 W. & M. gauge wire. Frame work 1" x ¾" channel. In requesting price send sketch showing all dimensions.



Balcony Railing

Porch, Balcony and Stair Railing in sizes and heights to meet every need. In requesting price send sketch showing footage required.

***The* STEWART IRON WORKS CO.**

Incorporated

814 STEWART BLOCK CINCINNATI, OHIO

CAMBRIA FENCE

and BETHLEHEM STEEL FENCE POSTS

The fence for the efficient modern farm

Cambria Fence has won extensive use because of the long life of good service that it gives. It is the ideal fence for the efficient modern farm. Farmers who have used it in the past almost always select Cambria Fence when they need additional fencing for improvements or repair work.

Cambria Fence is a hinge-joint cut-stay standard field fence, made in a large modern factory devoted solely to fence manufacture. Full-gage wire, made from the grade of steel selected by Bethlehem metallurgists as most suitable for field fence, is used in its manufacture. The heavy zinc coating, applied by a special process, does not crack, flake or peel. The Flexo Joint and the Tension Curve give it resilience, strength and flexibility, so that it may be tightly stretched and still retain its shape and serviceability.

Strong, Durable Posts

Self-Fastener—L & T Sections | **Punched—L & T Sections** | **Omega Studded "U" with wire clips**

Most satisfactory results can be had when Cambria Fence is erected on Bethlehem Posts. These strong, durable posts insure the best and longest service from the fence. They are made of high-carbon steel in three types: the Self-Fastener Post, the Punched Post, and the Omega "U" Studded Post. The punched and self-fastener types are produced in angle and tee sections. Whichever type is selected, a strong, rigid, durable post is assured that will make the fence neater, stronger, longer-lasting. These posts greatly simplify the erection of the fence, and may be used again and again.

Bethlehem Wire Nails

Bethlehem manufactures many types of nails, in various finishes including Blued, Cement-Coated, Bright and Galvanized. Other Bethlehem products of interest to the hardware dealer include: Wire and Rods, all styles of Barbed Wire, Staples and Bale Ties.

Write for Catalog 8-D, describing the various styles of Cambria Fence in detail; Catalog W-2 on Nails, and other Wire Products; Folder 227, on Omega "U" Fence Posts, and Folder 211-A on Bethlehem Steel Fence Posts.

BETHLEHEM STEEL COMPANY

***General Offices:* Bethlehem, Pa.**

***District Offices:* New York, Boston, Philadelphia, York, Wilkes-Barre, Baltimore, Washington, Atlanta, Pittsburgh, Buffalo, Cleveland, Cincinnati, Indianapolis, Detroit, Chicago, St. Paul, Milwaukee, St. Louis, Houston, Dallas. *Pacific Coast Distributor:* Pacific Coast Steel Corporation, San Francisco, Los Angeles, Portland, Seattle, Honolulu. *Export Distributor:* Bethlehem Steel Export Corporation, New York.**

BETHLEHEM

WIRE PRODUCTS

Sun-Red Edge Self-Measured Wire Screen Cloth

Measure Marks *Every Six Inches*

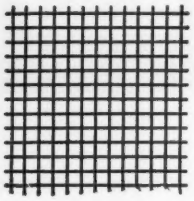
TRADE MARK REG. U.S. PAT. OFF.

"BEST BY WEATHER TEST"

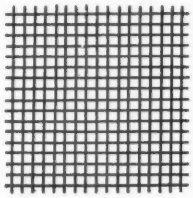
All Sun-Red Edge cloth furnished in one-piece, 100-foot rolls of perfect cloth. Not sold through chain stores.

All Sun-Red Edge cloth conforms to the industry's Simplified Practice Recommendation R. 122, issued by the U. S. Dept. of Commerce, Bureau of Standards, and adopted by the Wire Screen Cloth Manufacturers' Institute.

All wire is drawn in our own wire mill and every step in processing is under our own control.



12 x 12



16 x 16

ALUMINA

Reg. Trade Mark

Woven of special grade open hearth steel wire and covered with fourteen coats of chemically pure zinc by electro-plating process. A transparent coat of varnish is then baked on. The best quality electro-plated screen cloth. Furnished in standard 12, 14, 16 and 18 meshes in widths 18" to 42", also 48"; special extra wide widths, 54, 60, 66 and 72 inches in 16-mesh only. Medium priced, high-grade cloth.

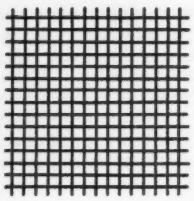
BLACK PAINTED

Woven of special grade of open hearth steel wire. Coated with high-grade black enamel giving an elastic finish which will not flake off. Made in standard 12, and special 14 and 16 meshes and in width 18" to 42", also 48". Special extra wide widths, 54, 60, 66 and 72 inches in 12-mesh only. A low priced but very satisfactory cloth.

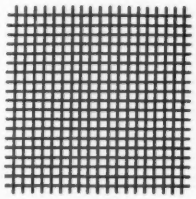
BRONZE

Made of commercial bronze wire, 90% copper, 10% zinc. Made in standard 14, 16 and 18 meshes, in widths 18" to 42", also 48". Special extra wide widths, 54, 60, 66 and 72 inches in 16-mesh only. A very high-grade and higher priced cloth which will last indefinitely, and is specially recommended along the sea coast. Bright, natural copper finish, unless otherwise specified. Our Noxide Bronze has antique finish.

Best insect protection with 14 or 16 mesh. In malaria sections 16-mesh is vital. (U. S. Public Health Dept.)

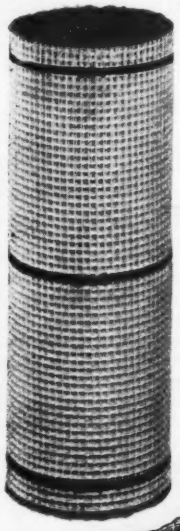


14 x 14



18 x 18

Sun-Red Edge Standard Hardware Cloth



Made up in 2 x 2, 3 x 3, 4 x 4, 6 x 6 and 8 x 8 meshes of standard gauge wire, in stock widths as follows:

2 x 2—24, 30, 36, 42, 48
3 x 3—24, 30, 36, 42, 48
4 x 4—24, 30, 36, 42, 48
6 x 6—24, 30, 36
8 x 8—24, 30, 36

Bound with box strapping as shown in illustration. No sharp ends of wire protruding.

NEW PACKAGE

SPIRAL WRAP-END CAP

Original and exclusive, automatic machine method of packing with 120 lb. Kraft spirally wound. Ends of rolls are fully protected by heavy duplex fabric tape in red color. This package preserves the cloth in transit, *saves freight*, reduces storage space, and is distinctive and attractive in appearance.

Sun-Red Edge Stove Pipe Wire

Made of strong, specially drawn wire. Rust-proofed by our special process. No tie wires used and coils can be easily opened or tied by thumb pressure. Put up in 50-foot coils, 12 coils to the carton, 50 cartons to the case. Made in No. 18, 19 and 20 gauges, also in 20 gauge coppered.

REYNOLDS WIRE CO. **DIXON, ILLINOIS**

WICKWIRE BROTHERS

Entire Plant and Offices

CORTLAND **NEW YORK**

Cortland Wire Products are known the world over for their unvarying high quality and long, satisfactory service. All our steel products are made from Copper-Bearing Open Hearth Steel. We control every operation from raw materials to finished products.

All grades of our Screen Wire Cloth are made to comply with specifications adopted by the Bureau of Standards, Department of Commerce, S.P.R. 122-31. The Cortland Line sells readily and profitably —makes satisfied customers.

Gray-Wick

CORTLAND GRAY-WICK

Dull finish galvanized — electro - zinc coated and enameled with a white transparent varnish—a double protection against corrosion. Made from Open Hearth Copper-Bearing Steel and full gauge wire—to insure greatest durability. Makes fine looking screens due to its extra heavy coating and attractive appearance. Every conceivable advantage is woven into this cloth which is one of the leading brands and most popular sellers on the market.

Made in 12, 14, 16 and 18-mesh from .011 gauge wire both ways. All widths in even inches from 18 to 42 ins. inclusive, also 48-in. double selvage as standard. Extra wide widths, 54 and 60 inches. Standard rolls of 100 lineal ft. Each roll shipped in strong individual roll fibre carton.

Other Popular Cortland Brands—

CORTLAND BLACK

A low-priced painted screen cloth that looks well and gives splendid service. Made from Open Hearth Copper-Bearing Steel—strong, durable and uniformly woven.

Made only in 12-mesh from .011 ga. wire both ways. All widths in even inches from 18 to 42 ins. inclusive. Also 48-in. double selvage as standard. Extra wide widths, 54, 60, 66 and 72 ins. 100 lineal ft. in roll. Shipped in individual fibre carton.

CORTLAND PREMIER

A special, extra heavy grade particularly adaptable for doors. Made of 14-mesh, 32-ga. wire about 50% heavier than the standard cloth. Made from Open Hearth Copper-Bearing Steel, electro-zinc coated and enameled with transparent varnish—double protection against corrosion. All widths in even inches from 18 to 42 ins. inclusive. Also 48-in. double selvage as standard. Extra wide widths, 54 and 60 ins. 100 lineal ft. in roll. Shipped in individual fibre carton.

CORTLAND BRONZE

For customers who want the best. Made of special alloy, 90% copper and 10% zinc, producing the elasticity of hard steel wire cloth with greater durability than copper. Absolutely rustless. 14, 16 and 18-mesh made from .0113 ga. wire both ways. Also a heavy grade of 16 mesh made of .015 ga. All widths in even inches from 18 to 48 in. inclusive. Also 48-in. double selvage as standard. Extra wide widths, 54, 60, 66 and 72 in. Bright or antique finish. 100 lineal ft. in roll. Shipped in individual fibre carton.

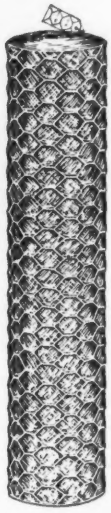
CORTLAND COPPER

We do not recommend pure copper wire cloth, but when customers insist you can sell Wickwire Cortland with every assurance that it is as reliable as can be made, considering the limitations of pure copper for screen purposes. Made from Special Hard Drawn Copper Wire covered with transparent varnish as an added protection in handling. 14, 16 and 18-mesh made from .0113 ga. wire both ways. All widths in even inches from 18 to 42 ins. inclusive. Also 48-in. double selvage as standard. Bright finish only. 100 lineal ft. in roll. Shipped in individual fibre carton.

Ask Your Jobber for Prices

WICKWIRE BROTHERS

CORTLAND *Entire Plant and Offices* **NEW YORK**



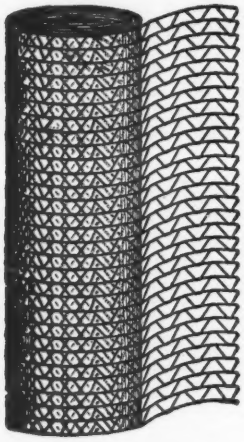
HEXAGON POULTRY NETTING

(The Standard)

Made from Open Hearth Copper-Bearing Steel which *resists rust* much longer than Bessemer. Our method and quality of galvanizing gives added protection, as well as good finish.

Widths—12", 18", 24", 30", 36", 42", 48", 60" and 72". Mesh sizes range from ¾" to 2" in widths and wire sizes for all requirements.

Furnished in Bales of 150 lineal ft.



NET-WICK

STRAIGHT LINE POULTRY FENCE

Made from high grade Open Hearth Copper-Bearing Steel. A combination of Mesh and Gauge Wire that hangs straight and tight forming a perfect Poultry Fence. Both Horizontal and Perpendicular wires same gauge. Neither top nor bottom rails nor boards required. Horizontal wires have just enough wave to allow for contraction and expansion. Twist is complete—cannot be opened by simply unwinding with pliers. Does not buckle, bag or sag. Lays flat without waves when unrolled.

Widths—12", 18", 24", 30", 36", 42", 48", 60" and 72". Mesh—2". No. 19 or No. 20 wire. 1" No. 20 wire. Furnished galvanized *before* or *after* weaving in Bales of 150 lineal feet.

HEN-CHICK

(Combination Mesh)

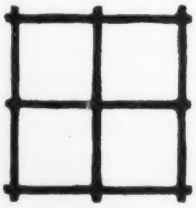
Galvanized before weaving only. Made from Open Hearth Copper-Bearing Steel in one grade, one width and one length per bale, 150 lineal feet. There are four different meshes from top to bottom as follows:

1—Eleven 4-inch meshes 18-gauge wire lengthwise, 19-gauge crosswise.

2—Six 2-inch meshes 19-gauge wire lengthwise, 20-gauge crosswise.

3—Four 1½-inch meshes 19-gauge wire lengthwise, 20-gauge crosswise.

4—Ten 1⅛-inch meshes 19-gauge wire lengthwise, 20-gauge crosswise. Top and bottom wires 16-gauge. Simply specify "Hen-Chick Poultry Fence."



2 x 2 Mesh

GALVANIZED HARDWARE CLOTH

Made from Open Hearth Copper-Bearing Steel

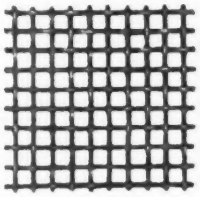
Standard Grades

Sizes: 2 x 2 mesh No. 19 ga. 2½ x 2½—No. 20 ga. 3 x 3—No. 21 ga. 4 x 4 and 5 x 5—No. 23 ga. 6 x 6—No. 25 ga. 8 x 8—No. 27 ga.

Even inch widths 12" to 48".

Special Grades to Order

Sizes: 1" x 1" mesh, No. 14 and 15 ga. ¾" x ¾" mesh, No. 15 and 16 ga. ⅝" x ⅝" mesh, No. 16, 17 and 18 ga. ½" x ½" mesh No. 16, 17 and 18 ga. All grades made from Open Hearth Steel.



8 x 8 Mesh

MISCELLANEOUS WIRE NAILS AND BRADS

¼, ½ and 1 lb. packages also 25 and 50 lb. boxes

Sizes: from 3/16" No. 24 to 4" No. 3. Diamond, Needle and Special Points, plain Steel, Cement Coated, Galvanized and Coppered, Flat, Brad, Countersunk and Round Heads.

OTHER WICKWIRE PRODUCTS INCLUDE—

Standard and Cement Coated Nails
Galvanized Barbed Wire
Market Wire
Stone Wire
Wire Rods
Wire Staples
Galvanized Clothes Lines
Metallic Coal Sieves

Ask Your Jobber for Prices

GOLD STRAND

INSECT SCREEN CLOTH

with the
GOLD STRAND MEASURING TAPE

Gold Strand insect screen cloth is carefully woven from full gauged wire conforming to the specifications of the United States Bureau of Standards, and is properly cartoned for shipping. The popular Gold Strand measuring tape, 100 feet in length, showing both feet and inches rolled with the cloth, tells exactly what is left in every cut roll, thus eliminating unnecessary rerolling and unrolling when making cut lengths and taking inventory. This saves time and labor. Gold Strand cloth is produced in Galvanoid, Black Painted, Bright and Antique Bronze, Copper, Monel metal and Stainless steel in all standard mesh and gauges of wire, in all widths from 18 to 48 inches.

CLINTON *Hex Mesh* NETTING

Hexagonal Mesh Netting — frequently referred to as Poultry Netting — is one of the oldest products of our Clinton Mill. It has long been a popular product with the dealer because its variety of uses, where a less costly grade of fence is required, has made it a readily saleable item.

Made Galvanized After and Galvanized Before weaving in all standard mesh and wire gauges, widths 12″ to 72″, inclusive.

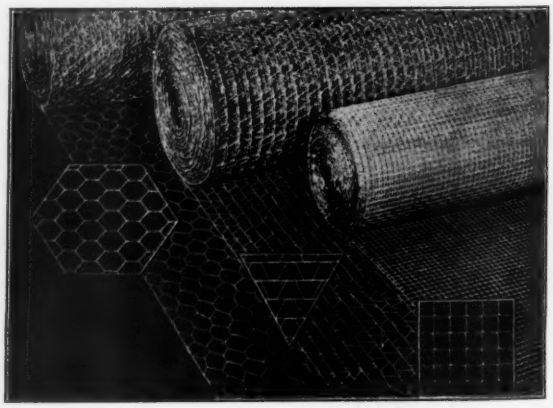
CLINTON *Straight Line* POULTRY NETTING

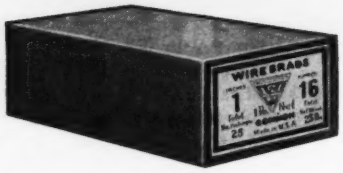
This popular type of netting is made with one set of wires running parallel and can be easily stretched between posts without rails at the top or bottom. DOES NOT SAG.

Produced in both Galvanized Before and Galvanized After grades, all standard mesh and wire gauges, widths 12″ to 72″, inclusive, and standard length rolls of 150 linear feet each.

CLINTON HARDWARE CLOTH

Note the neat, smooth appearance of Clinton Hardware Cloth. Each roll contains a full standard 100 feet of strong, durable zinc-coated cloth. Widths 12″ to 72″, inclusive. Made Galvanized After Weaving.



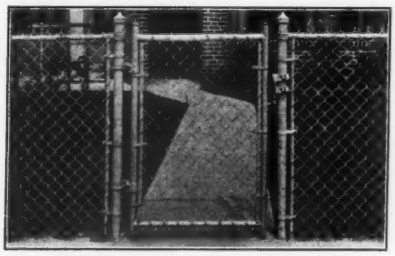


PERFECTION DOOR SPRINGS. Made of selected wire. Durable and resistant to rust. Japanese and all special finishes come packed in clearly marked boxes of one dozen each.

NAILS and BRADS. Complete line in all standard types and sizes. Heads well centered. Points hard and sharp. All standard sizes.

ASK your jobber's salesman for a supply of these business-getting little books. He will gladly give them to you FREE.

CHAIN LINK LAWN FENCE—The popular "friendly fence" type is 45" high with 1½" mesh—made of 12 gauge Copper Bearing Steel Wire, heavy galvanized and of bright finish. Wickwire Spencer manufactures and erects, if desired, all sizes of Chain Link Wire Fence from the low 3' lawn type to husky barriers 10' high with arms and barbed wire—a complete fence service. The attractive Wickwire Spencer Catalog describes in full all types of Chain Link Fence—and shows, too, how this item provides the hardware dealer with a good margin of profit. Write for it today.



SINGLE AND DOUBLE GATES (***Rigid Frame Construction***)

for pipe and wood posts. The Electrically Welded Corner construction makes the entire frame ONE PIECE. Attractiveness, strength, durability and quality of the galvanizing are all sound talking points. Show the gates, talk them and you will sell them.

WISSCO WIRE PICTURE CORD

Our trade mark is an absolute guarantee of full length wire and full number of strands. Made in all standard grades and finishes. Safe and strong.

WISSCO *Galvanized* WIRE CLOTHES LINE

Three Grades: Solid, Six Strand Twisted, and our patent Reinforced Hollow Cables. It is extremely flexible and strong.

Home owners, farmers, carpenters and screen manufacturers have known these brands for years. They know that each trade mark stands for a quality product that *always* gives satisfaction. When a customer sees one of these brands in your store, sales resistance is broken for standard, high quality merchandise is always recognized.

Consult your jobber's salesman for additional information on these quality products or send your inquiry direct to any of the offices shown below.

AMERICAN WIRE FABRICS CORPORATION

Subsidiary of WICKWIRE SPENCER STEEL COMPANY

General Offices: 41 East 42nd St., New York City; *Branches and Warehouses:* Worcester, New York, Buffalo, Chicago, Tulsa, San Francisco, Los Angeles, Portland, Seattle; *Export Sales Dept.:* New York

ONEIDA STEEL TRAPS

ONEIDA VICTOR

No. 0—For rats, gopher, weasel
No. 1—Muskrat, skunk, mink
No. 1½ Marten, mink, skunk
No. 2—Fox, raccoon, woodchuck
No. 3—Coyote, beaver, lynx
No. 4—Otter, badger, wolf

PACKING VICTOR AND JUMP

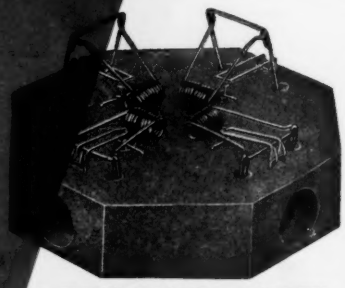
No. 0—3 Dozen in Fiber Case
No. 1—6 Dozen in Fiber Case
No. 1½ 3 Dozen in Fiber Case
All Other Sizes in Barrels

ONEIDA JUMP

No. 0—For rats, gopher, weasel
No. 1—Muskrat, skunk, hawk
No. 1½ Marten, mink, skunk
No. 2—Fox, raccoon, fisher
No. 3—Coyote, beaver, otter
No. 4—Wolf, beaver, badger

WRITE FOR CATALOG GIVING FULL DESCRIPTION OF COMPLETE LINE

NEW—AUTO-SET MOUSE & RAT TRAPS

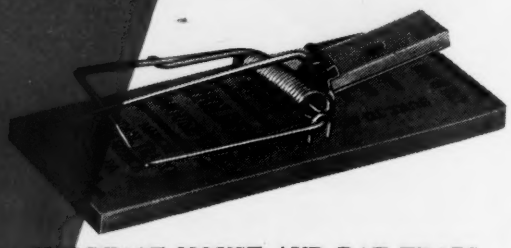


4 HOLE WOOD CHOKER MOUSE TRAPS
— Catches as many as four mice at one time. Its construction is a safeguard against injury to children and pets.

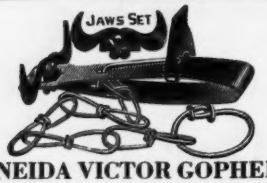
SAFE TO SET

PACKED—1 DOZ. IN CARTON—SURE TO WORK

VICTOR MOUSE AND RAT TRAPS
Equipped with selective action trigger



HOLDFAST MOUSE AND RAT TRAPS
With wooden bait pedal



ONEIDA VICTOR GOPHER TRAP—New improved jaws which are automatically adjusted when trap is set. Very effective in Gopher trapping. Packed 12 doz. to case. Weight 46 lbs. per case.

WRITE YOUR WHOLESALER FOR PRICES AND CATALOGS

ANIMAL TRAP COMPANY OF AMERICA
The World's Oldest and Largest Manufacturers of Animal Traps
LITITZ, PA. & NIAGARA FALLS, ONT.

ONEIDA NEWHOUSE GOPHER TRAP—To be set in runways. Small, easily set and quick of action. Packed 12 doz. to case. Weight 40 lbs. per case.

TRUMP HAND GARDEN TOOLS

RETAIL PRICE 10c each

3 Piece Set *(In carton)* 30c

High quality, smart appearance and low price are combined in these fast-selling hand garden tools. Made of 18-gauge heat-treated steel, painted orange. Sets of three packed in decorated cartons. Tools packed 1 doz. to box.

Polished turned hardwood handle, Varnish finish

Strong all-steel blade, painted orange.

No. 900—Long Wood Handle Trowel.
Length 12 inches.
Weight per dozen, 5 lbs., 14 oz.
Weight per case, 38 lbs.

No. 901—Long Wood Handle Fork.
Length 11 inches.
Weight per doz., 5 lbs., 3 oz.
Weight per case, 33 lbs.

No. 902—Long Wood Handle Weeder.
Length 10½ inches.
Weight per dozen, 4 lbs., 5 oz.
Weight per case, 26 lbs.

No. 904—20 Gauge Steel, Long Wood Handle Transplanter. Length 12 inches.
Weight per dozen, 4 lbs., 8 oz.
Weight per case, 30 lbs.

WRITE YOUR WHOLESALER FOR PRICES

ANIMAL TRAP COMPANY OF AMERICA
The World's Oldest — Largest Manufacturers of Animal Traps
LITITZ, PA. & NIAGARA FALLS, ONT.

G. F. WRIGHT STEEL & WIRE CO.

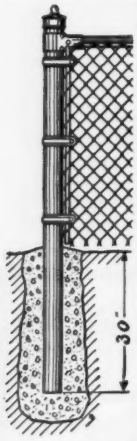
WORCESTER, MASS.

NEW YORK ATLANTA CHICAGO LOS ANGELES

WRIGHT

CHAIN LINK FENCE

Wright Copper-Bearing Chain Link Fences and Gates give maximum protection with minimum cost for installation and maintenance. Fencing is supplied in rolls any desired length together with all needed fittings.



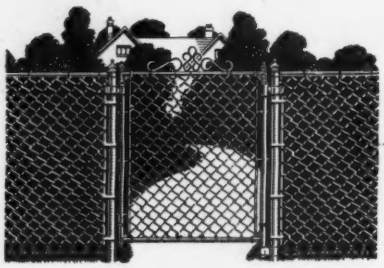
Wright "Lawn" Chain Link Fence is made in heights 3′, 3½′, 4′ and 5′. Fabric is 2″ mesh No. 9 or No. 11 gauge Copper-Bearing Steel, heavily hot-galvanized after weaving. This is the lightest type of Wright Chain Link Fence and is used in locations where heavier fabric and large posts are not required.

Wright "Residential" Chain Link Fence is made in heights 3′, 3½′ and 4′. Fabric is 2″ mesh No. 9 gauge or No. 11 gauge wire, Copper-Bearing Steel hot-galvanized after weaving.

Wright Chain Link Gates are made in both single and double drive types. They are symmetrical in design and sturdy in construction and made in sizes for any desired opening.

Single gates are usually furnished for openings 3′, 3′6″, 4′ and 5′ wide, while standard double drive gates are made for openings 8 to 12′ wide.

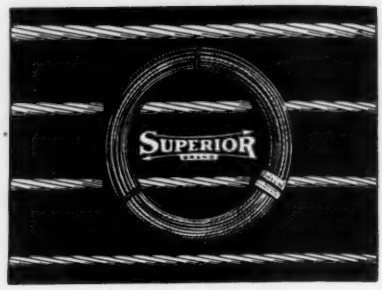
The Wright line of Copper-Bearing Chain Link Fences and



Gates also includes heavier types, Keepsafe, Defender and Nonpareil, where height and complete protection is essential, with or without extension arms carrying 3 or 5 strands of barbed wire. Heavier and wider types of gates can also be supplied with these heavier fences.

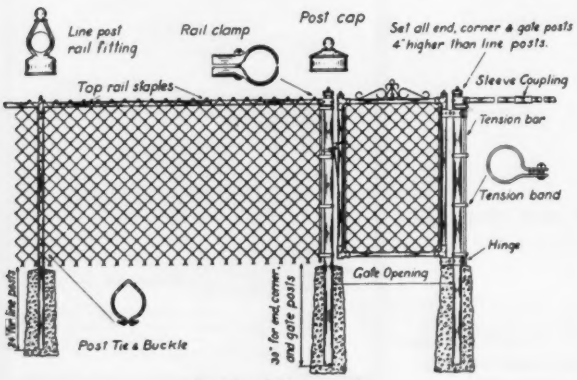
Superior Brand Galvanized Wire Clothes Lines are made in all standard sizes and lengths including Hollow Cable, Reinforced Hollow Cable, 6-Strand Twisted, 4-Strand Twisted and Solid.

CLOTHESLINES

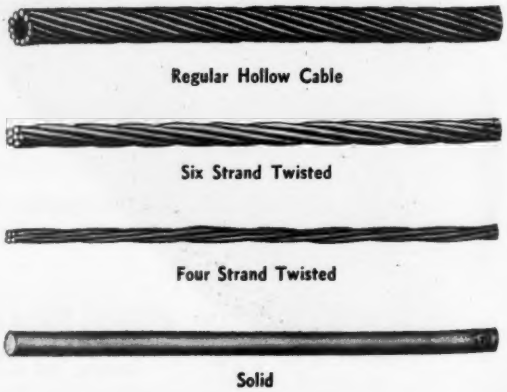


While originally confined to use as strictly clothes lines, this product has become of growing importance because of many and varied uses to which it is put. Hardware dealers find that reels of clothes line in various lengths are readily salable for other purposes where a strong, twisted wire line is used.

Size of Wire	Length	List Price	Doz. per Barrel
REGULAR HOLLOW CABLE			
3	50	$5.25	14
	75	6.40	12
	100	7.50	10
SIX STRAND TWISTED			
20	50	3.70	20
	75	4.50	15
	100	5.30	13
18	100	7.20	10
17	100	9.00	8
FOUR STRAND TWISTED			
20	50	2.80	28
SOLID			
10	50	7.30	6
	75	8.85	5
	100	9.90	5
9	50	6.30	7
	75	7.65	6
	100	9.00	5½



Details of Construction

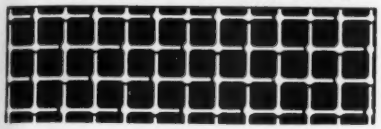


G. F. WRIGHT STEEL & WIRE CO.

WORCESTER, MASS.

NEW YORK ATLANTA CHICAGO LOS ANGELES

WIRE CLOTH

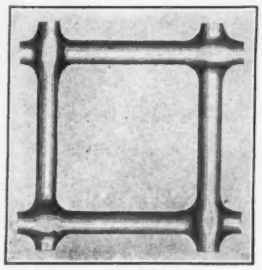


In common with other products, all Wire Cloth produced by this company is made from Copper-Bearing Steel. The line includes a complete range of sizes from ¼" rod down to No. 30 wire and in all meshes.

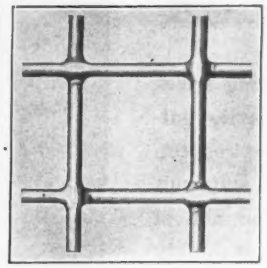
Wire used in weaving Superior Wire Cloth is drawn in the Wright plant, and, because the company has control of the production all the way from rods to the finished product, the wire is produced exactly in accordance with the specifications necessary for weaving. All wire is round and true to gauge and all wire cloth is made with uniform meshes, freedom from bulges and with straight selvage.

All wire cloth, with the exception of the coal and gravel screen grades, is defined by mesh, the distance from center to center of its parallel wires. Coal and gravel screen cloth is specified by space which is the opening between the parallel wires, which size is not affected by the diameter of the wire used in the cloth.

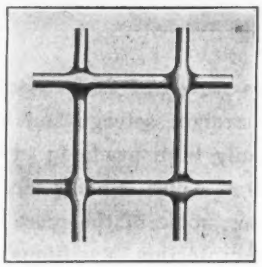
Superior Wire Cloth is usually supplied in rolls containing 100 linear feet, but rolls cut to desired lengths can be furnished. In ordering, be sure to state the size of wire, mesh, length and width desired.



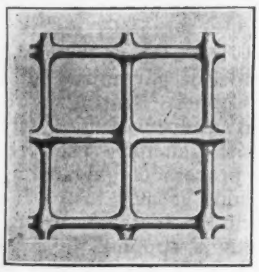
1" mesh 11 wire



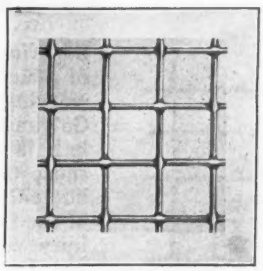
¾" mesh 14 wire



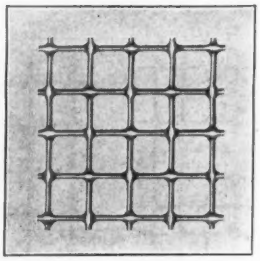
⅝" mesh 15 wire



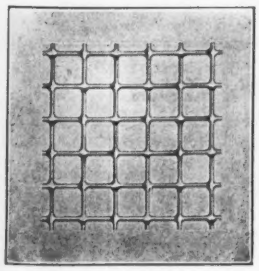
2 mesh 16 wire



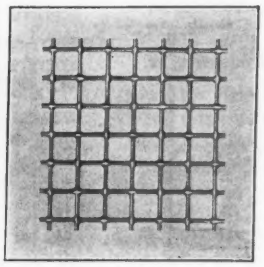
3 mesh 20 wire



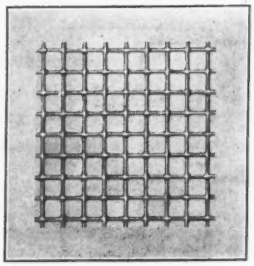
4 mesh 22 wire



5 mesh 23 wire

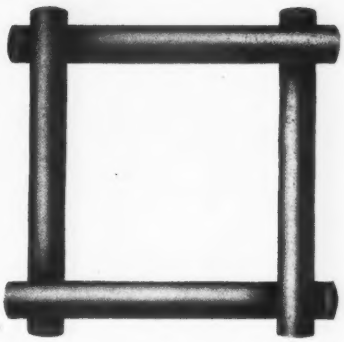


6 mesh 24 wire



8 mesh 26 wire

Wire Mesh Screens for Sand, Gravel, and Coal



Superior Brand Wire Mesh Sand and Gravel Screens are made of carbon or manganese steel, the latter being used where the screen is subjected to extreme wear. The wire is made from carefully analyzed steel drawn and woven under the strictest supervision.

Screens of various meshes are furnished in rolls or cut to specified sizes, either plain or hot-dipped galvanized after weaving. A wide range of meshes and wire sizes is constantly kept in stock for immediate delivery. The line includes wire cloth ranging from 2" space ½" wire, down to ¼" space 13 wire.

A summary of sizes most commonly used will be found in the following table.

SUPERIOR BRAND
DOUBLE CRIMP WIRE CLOTH

Space	Size Wire	Decimal Size of Wire	No. of Openings per Sq. Ft.	Weight per 100 Sq. Ft. Plain
2"x2"	¼"	.250	28.5	185 lbs.
1¾"x1¾"	¼"	.250	36.	205 lbs.
1½"x1½"	¼"	.250	47.	235 lbs.
1¼"x1¼"	No. 5	.207	68.	200 lbs.
1"x1"	No. 5	.207	99.	235 lbs.
¾"x¾"	No. 8	.162	173.	195 lbs.
⅝"x⅝"	No. 9	.148	241.	190 lbs.
½"x½"	No. 10	.135	357.	180 lbs.
⅜"x⅜"	No. 11	.1205	588.	185 lbs.
¼"x¼"	No. 13	.0915	1234.	160 lbs.

G. F. WRIGHT STEEL & WIRE CO.

WORCESTER, MASS.

NEW YORK ATLANTA CHICAGO LOS ANGELES

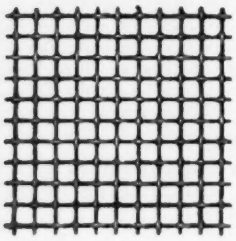
Galvanized Standard Hardware Cloth

Mesh	Size Wire	Decimal Opening
2x2	19	.459
2½x2½	20	.365
3x3	21	.301
4x4	23	.225
5x5	24	.177
6x6	25	.147
7x7	26	.125
8x8	27	.108
10x10	29	.085

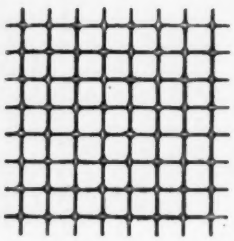
Standard Hardware Cloth is put up in 100 ft. rolls in widths 24" to 48" inclusive. Extra 10 cents per 100 square feet for 50 ft. rolls.

Widths from 12" up to 24" 25 cents per 100 sq. ft. additional.

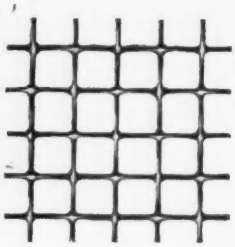
Superior Brand Hardware Cloth is woven of Copper-Bearing wires of standard size, square meshes, straight selvage and heavily galvanized. It will be found uniformly high grade in every respect. Hardware cloth, commonly known as cellar window cloth and fruit evaporator cloth, has countless uses, some of the more common of which are window guards, glass protection, partitions, machinery guards, animal cages, ash sifters, boiler covering, lining for corn cribs, ventilator covers and dryers.



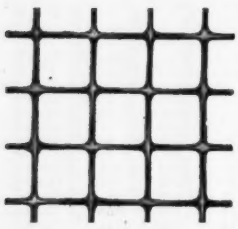
8 x 8 Mesh



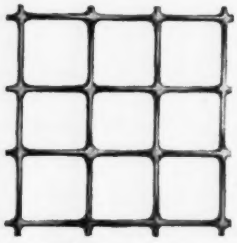
6 x 6 Mesh



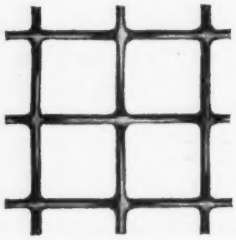
4 x 4 Mesh



3 x 3 Mesh

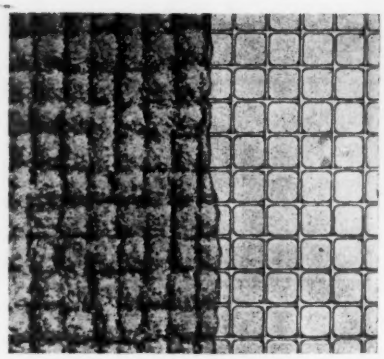


2½ x 2½ Mesh



2 x 2 Mesh

Woven Wire Lath



Superior Wire Lath is furnished of plain steel or galvanized after weaving Copper - Bearing wire. Galvanized after weaving wire lath is most generally used because the process of galvanizing not only adds greatly to the life of the fabric but increases its rigidity. Lath is supplied in compact rolls 3' wide and 150' long in 2, 2½, 3 and 4 mesh as shown in table below.

Mesh per Inch	Size of Mesh on Centres, In.	Gauge of Wire
2 x2	½	18
2 x2	½	19
2 x2	½	20
2½x2½	⅝	18
2½ 2½	⅝	19
2½x2½	⅝	20
2½ 2½	⅝	21
3 x3	⅝	21
4 x4	¼	23

G. F. WRIGHT STEEL & WIRE CO.

WORCESTER, MASS.

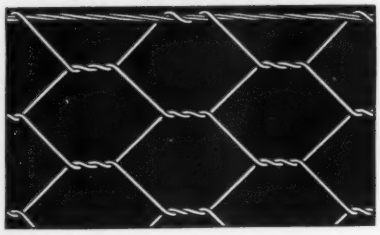
NEW YORK ATLANTA CHICAGO LOS ANGELES

Copper-Bearing Steel Wire

All products of G. F. Wright Steel & Wire Co. are now made from Copper-Bearing Steel, containing a minimum of .20% pure copper.

Copper-Bearing Steel gives the finished product much longer life and on galvanized goods it provides an additional safeguard against peeling of the zinc coating. The wire used is made from a special grade of open-hearth steel to which pure ingot copper has been added. Tests conducted by the American Society for Testing Materials and others show conclusively that Copper-Bearing Steel outlasts ordinary steels.

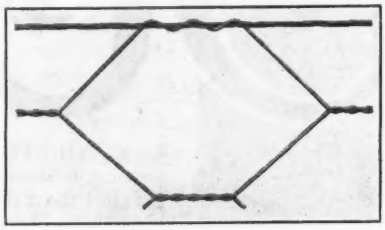
HEXAGONAL NETTING



Superior Copper-Bearing Hexagonal Netting is woven on power looms of the most modern design. Our looms carry a perfectly straight selvage and weave the mesh evenly. Every roll of Superior Brand Netting will be found even and perfectly straight. It is furnished galvanized either before or after weaving.

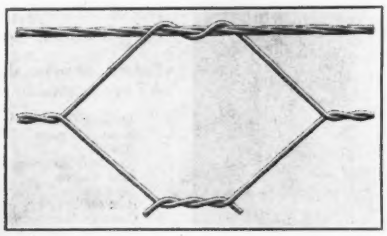
Superior Netting requires little or no stretching. Because it is woven evenly and with perfectly straight selvage and is free from bulges, it should not be stretched as is the case in ordinary netting. This point cannot be over-emphasized because perfectly true netting can be spoiled by stretching. As a general rule it will be found that all the stretching Superior Hexagonal Netting requires can be accomplished with the hands.

2″ Mesh No. 19 Wire



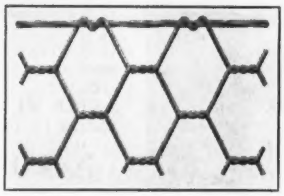
One-half actual size.

2″ Mesh No. 16 Wire



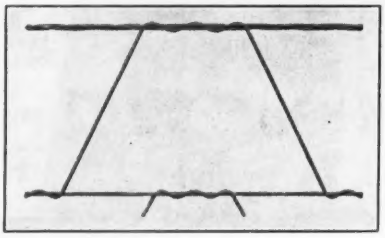
One-half actual size.

Special Twist ¾″ Mesh No. 18 Wire



One-half actual size.

Superior Straightline Netting



2″ mesh No. 19 wire, one-half size.

Superior Straightline Netting is used without rails or boards at top or bottom. Lateral wires are perfectly straight. The mesh is woven evenly and heavily galvanized. Furnished both galvanized before or after weaving in either 19 or 20 gauge wire, 1″ or 2″ mesh.

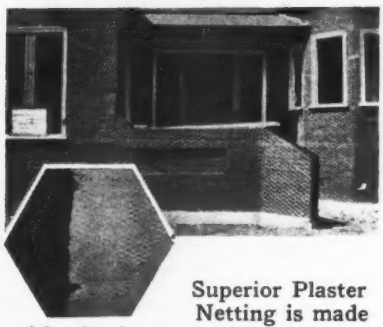
Superior Fox Pen Netting

Superior Fox Pen Netting has for years been in marked favor by the fur industry. Sizes most commonly used are 1½″ and 2″ mesh, No. 12, 14, 15 and 16 wire. This netting is evenly woven with strong straight selvage and is delivered in rolls containing 150 linear feet.

Netting Sizes Recommended for Various Purposes

Poultry (grown), 2″ mesh No. 19 or 20
Chickens, 1″ mesh No. 20
Pigeons, 1½″ mesh No. 18 or 20, 1″ mesh No. 18 or 20
Dogs, 2″ mesh No. 12, 14 or 15, 1½″ mesh No. 14 or 16
Rabbits, 1″ mesh No. 18
Fox, 1½″ and 2″ mesh No. 12, 14, 15 or 16
Mink, ¾″ mesh No. 18
Muskrat, 1″ mesh No. 16 or 18
Raccoon, 1½″ or 2″ mesh No. 14 or 15
Skunk, 1″ mesh No. 18
Pheasants, 1″ mesh No. 18
Baseball Backstops, 2″ mesh No. 14 or 15
Tennis Courts, 1½″ mesh No. 18

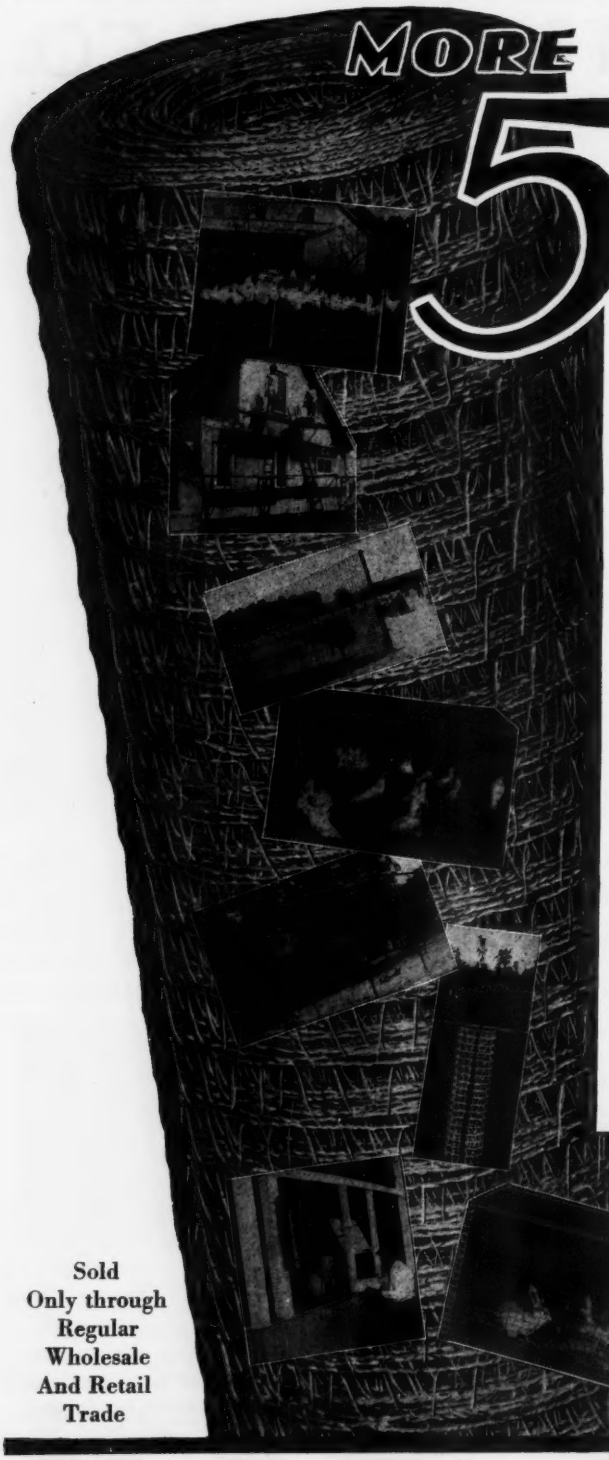
Superior Plaster Netting



Superior Plaster Netting is made with absolutely straight selvage. Every bale unrolls in a straight line and it is therefore easily and quickly applied. This most important essential has been accomplished by the use of looms recently designed and built. Fabric is woven into perfect hexagonal mesh which leaves no waves, bags or humps. It is thoroughly galvanized after weaving.

This material is furnished in rolls 150′ long and 36″ wide. The sizes most commonly used are 2″-16 mesh, 2″-18 mesh, 1½″-16 and 18 mesh.

MORE THAN 50 SALEABLE USES



U. S. POULTRY FENCE, the modern, straight-line netting, is woven like farm fence. Its line wires run parallel the full length of the roll. Its interlocked hinge joints bind line and mesh wires together so securely that they cannot slip, spread or unravel.

U. S. POULTRY FENCE requires no top-rail, no baseboard. It stretches straight and true to wood or steel posts without bagging or sagging. It rolls out flat like carpet and is easy to handle and cut.

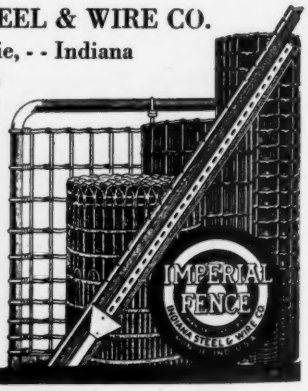
Below are more than 50 practical uses for this versatile netting. All are profitable sales outlets for the alert dealer.

Animal Cages	Hotbed Covers	Rodent Proofing
Animal Traps	Insulation Base	Screens
Arbors	Brooding Pens	Show Pens
Baseball Backstops	Laying Nests	Sign Construction
Bird Cages	Machinery Guards	Sound-Proofing
Booths	Muskrat Pens	Stage Scenery
Box Offices	Packing Cases	Stock Rooms
Cement Reinforcing	Partitions	Storehouses
Counter Bins	Pergolas	Stucco Reinforcing
Decorating	Pigeon Pens	Summer Houses
Dog Kennels	Plaster Reinforcing	Temporary Fencing
Feed Boxes	Playground Fence	Tennis Courts
Feeding Pens	Play Pens	Trash Receptacles
Fish Boxes	Portable Runs	Tree Guards
Fish Traps	Poultry Coops	Vine Trellis
Flower Border	Poultry Gates	Warehouses
Fox Kennels	Poultry Houses	Window Guards
Garden Enclosures	Poultry Parks	Window Trims
Golf Courses	Rabbit Hutches	Wire Baskets

U. S. POULTRY FENCE is made in both one-inch and two-inch mesh. One-inch is woven from No. 20 gauge wire; two-inch from either No. 19 or 20 gauge wire. GALVANIZED BEFORE or AFTER WEAVING. Length of rolls 150 linear feet. Standard widths 12, 18, 24, 30, 36, 42, 48, 60 and 72 inches.

INDIANA STEEL & WIRE CO.
Muncie, - - Indiana

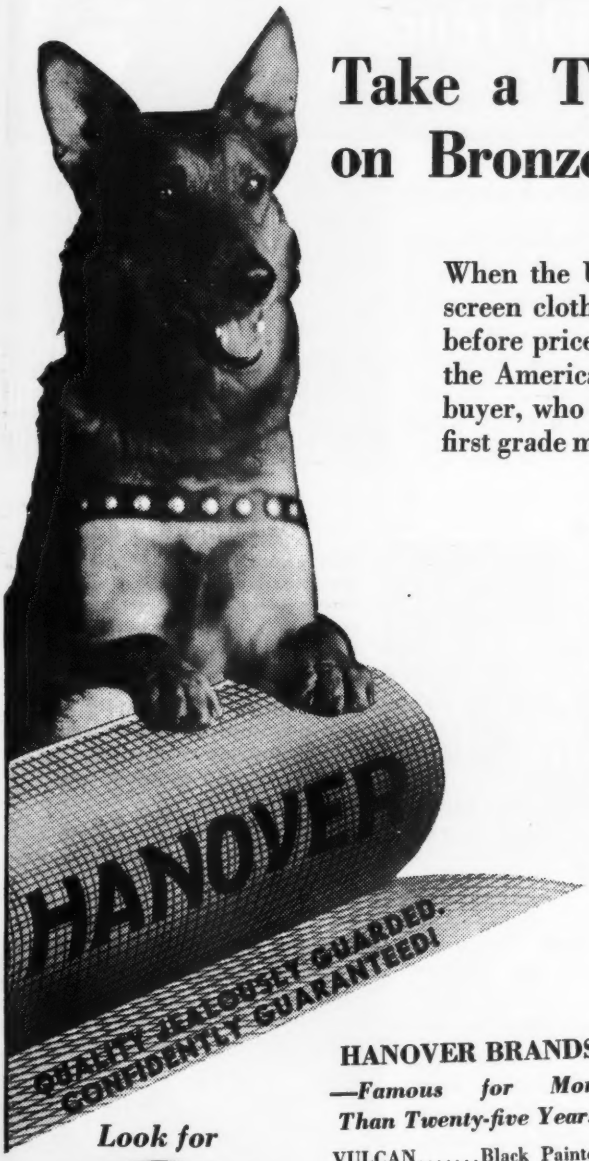
Manufacturers also of
IMPERIAL
Farm Fence
Poultry Fence
Lawn Fence
Steel Posts
Gates
Flower-Border
Trellis
Spring Wire



Sold Only through Regular Wholesale And Retail Trade

U.S. Poultry Fence

"The Netting That Stands Alone"



Take a Tip from Uncle Sam on Bronze Wire Screen Cloth!

When the United States Government buys bronze wire screen cloth, it requires a five point standard of quality before price is even considered. This standard, fixed by the American Society for Testing Materials, assures the buyer, who applies it to his purchases of screen cloth, of first grade merchandise and includes the following points:

1. Sixteen mesh must weigh not less than fifteen pounds to a hundred square feet—2.4 ounce per square foot.
2. All wire must gauge .0113 diameter.
3. All wire must contain 90% to 92% copper and 8% to 10% pure zinc.
4. All mesh must be regular and accurate.
5. The coating of varnish or lacquer must be full weight to protect from stains and assure uniform color.

These are the standards of quality to which HANOVER WIRE CLOTH COMPANY manufactures its famous "GOLDEN ROD" bright bronze and "ORIENTAL" antique bronze.

The buying Public is entitled to quality merchandise.

Ask your distributor for HANOVER cloth.

If he does not have it, ask us.

We will see that you get it.

HANOVER BRANDS

—Famous for More Than Twenty-five Years

VULCAN.....Black Painted
APEX
Electroplated Zinc Coated
GOLDEN ROD..Bright Bronze
ORIENTAL...Antique Bronze
CRESCENT....Bright Copper
COLONIAL...Antique Copper
ACME .....Aluminum
Stainless—"18-8", other alloys and all specials on request.

Look for

John M. Hart Co., Inc., *Manager of Sales*, Graybar Bldg., New York City
Frank W. Jones, *Vice-President and General Manager*, Hanover, Pa.

HANOVER WIRE CLOTH CO.

Hanover **Pennsylvania**

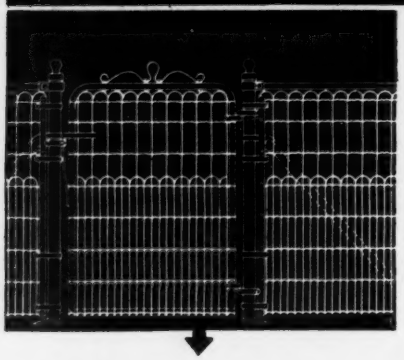
"HANOVER'S GUARANTEED DELIVERY OF QUALITY MERCHANDISE"

Pittsburgh Products

Pittsburgh Fence

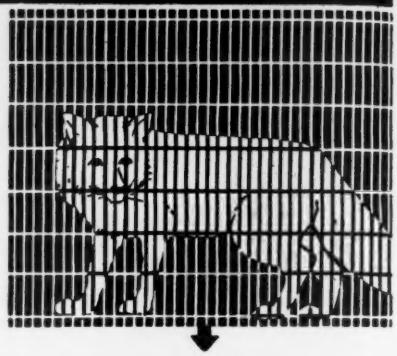
A Complete Line of Fences and Other Wire Products

Pittsburgh Products



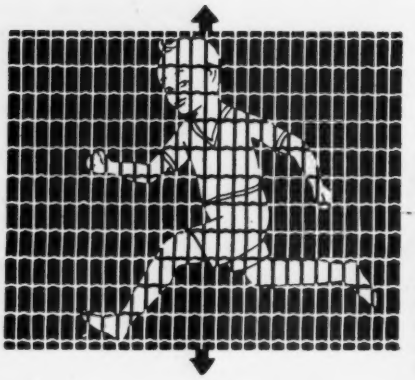
Plain Lawn Fabric

Pittsburgh Plain Lawn Fence Electric Welded, copper-bearing and Super-Zinced (Special Hot Zinc Coated) is probably the most versatile fence fabric made . . . Below are a few of the many uses to which it is being put.



Complete Lawn Fences

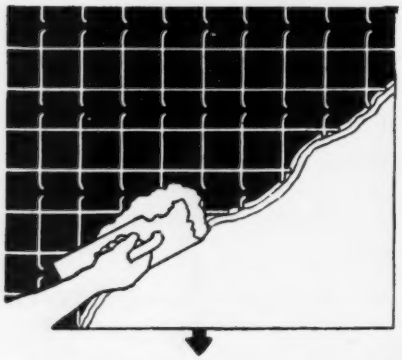
Pittsburgh Complete Lawn Fences combine a variety of styles of the famous Pittsburgh Super-Zinced (Special Hot Zinc Coated) Lawn Fence fabrics with several optional types of framework designs at standard, reasonable prices. The complete fence shown above is the DeLuxe pattern, with Tubular Posts and Top Rail. The fence is available in all standard Pittsburgh coverings, including Patrician Chain Link. It also may be had with Close Mesh Plain Lawn fabric in 5 and 6 ft. heights, with Barbed Wire Top for light industrial use. Also available as fabric alone . . . Write for special catalogue of Complete Fences.



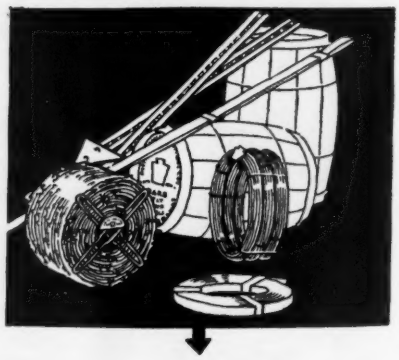
Fur Farming Fences

Pittsburgh Fur Farming Fences are the ideal enclosures for this kind of service. Their welded joints are smooth, preventing injury to valuable animals. The danger of slipped joints and spread meshes, with possible loss of animals, is eliminated. A variety of meshes—all Super-Zinced (Special Hot Zinc Coated) and copper-bearing—is available for different types of animals.

These are also excellent fabrics for Poultry Floors, Chicken Feeding Fences, Kennel enclosures and any number of incidental uses calling for lighter weight fabric than regular Plain Lawn Fence material.



Lawn Enclosures, Light Industrial Enclosures, Poultry Runs, Chicken Coops, Garage Partitions, Egg-Laying Batteries, Bridge Railings, Tool Room Partitions, Boat Railings, Silos, Machinery Guards, Corn Cribs, Window Guards, Seed Corn Drying Racks, Trellises, Amusement Enclosures, Animal Cages, Aviaries, Tree Guards.



Pittsburgh Steeltex Products

Pittsburgh Steeltex Lath for Stucco, Plaster, Brick or Stone Veneer, Floors, Suspended Ceilings; Pittsburgh Cordex Building Paper; Pittsburgh (National) Reinforcing—these are all items which no dealer can well afford to be without in the coming period of New Building and Home Modernizing.

Pittsburgh Steel Company
Union Trust Building
Pittsburgh, Pa.
New York Detroit Dallas Chicago
San Francisco Philadelphia
Memphis Syracuse

Other Pittsburgh Products

You are doubtless familiar with the Pittsburgh Line of Hinge-Joint and Stiff-Stay Farm and Poultry Fences, Posts, Fence Tools, Nails and Staples, Barbed and Plain Wire, Bale Ties—all Products of a Company with a 30-year record of distinguished service to the Hardware Trade.

A product for year-round sale!

a fibre window shade that long outlasts . . and far outsells . . shades costing 5 to 10 times as much!

Now . . available to the HARDWARE TRADE . . .

10c *Shademore*

FIBRE WINDOW SHADE

THE women of America have bought **millions** of these remarkable 10c. fibre window shades. They **want** SHADEMORE 10c. Fibre Window Shades. They have only to be told where to buy them. Now you can share in this fast-turning, profitable business. For the first time, SHADEMORE Shades are available to the hardware dealer. People everywhere are looking for low-cost goods to buy. Dealers everywhere are looking for low-priced merchandise to **sell**. SHADEMORE is the type of product that makes both buyer and seller happy. You **need** SHADEMORE SHADES in your store.

Beautiful—Colorful—Durable

Even in the plain colors SHADEMORE Shades look as if they should sell for much more than 10c. The attractive chintz patterns are in a class by themselves. No cloth shade ever attempted such beautiful coloring. SHADEMORE provides a color for every taste or requirement, for every decorative scheme. 5 plain colors and 4 chintz designs. The amazing durability and long life of SHADEMORE Shades will surprise you. They actually outwear cloth shades costing 5 to 10 times as much.

Sun-Proof—Fray-Proof—Crack-Proof

Unlike cloth shades SHADEMORE Shades will not fray or crack. They are made of a tough, durable fibre material that is sun-proof, fray-proof and crack-proof.

Easy to install. No tacks or tools

Women can install SHADEMORE Shades in a jiffy to their old rollers. No tacks or tools required. Gummed tape comes attached to top of shade.

A 10c item but an average 60c cent sale! Women buy them 6-12-24 at one time! BIG REPEAT BUSINESS!

Women buy SHADEMORE Shades in large quantities. They often equip the whole house with new shades at one time so they buy 6-12-24 shades at a time. That makes the average SHADEMORE sale 60c. altho it is only a 10c. item. Furthermore, the extremely low cost of SHADEMORE Shades enables housewives to replace them often just for the sake of a change. That means big repeat business for you and extra visits to your store by satisfied, friendly customers.

Another Winner!
SHADEMORE Shade Pulls!

Every shade, SHADEMORE or otherwise, needs one of these shade pulls. Beautifully made of Bakelite and Plaskon in 7 colors. Durable, washable, attractive and modern. No more soiled, unsightly crocheted shade pulls. Complete with 10 inch double cord, to retail at 5c.

2 Displays FREE

Attractive display material for both shades and pulls FREE on request. See your jobber or write us. Ask for **both displays**

If your jobber can't supply you, write us

SHADEMORE MANUFACTURING CO., 1225 Exeter Street, Cincinnati, Ohio

Westinghouse

Headliners *make* ELECTRICAL MERCHANDISING NEWS

● MORE NEW, *sales-stimulating products* INTRODUCED BY WESTINGHOUSE DURING 1932 THAN BY ANY OTHER ELECTRICAL MANUFACTURER · ·

Never before in history has an electrical appliance manufacturer offered its dealers so many wonderful profit opportunities! Opportunities that multiply sales! News that loosens purse-strings! During the past year these sensational announcements of Westinghouse triumphs have commanded attention . . . stimulated sagging sales . . . and put new heart into retail operations. More than ever, retailers are realizing that it pays to tie up to a manufacturer with vision, sound merchandising policies, and the ability to command new markets with new and revolutionary products.

Just look at the Westinghouse record thus far for 1932! An utterly new and better type of range that for the first time gives *complete* automatic control of *every* cooking operation! A new electric iron with all the famous Westinghouse automatic features *plus* a fatigue-proof handle, and new light weight, that is making a sensational hit with women everywhere! New improved models in the complete line of Dual-automatic refrigerators! New and better washers . . . and a new ironer that cracks this practically untouched market wide open! New vacuum cleaners, including the phenomenally successful Duster-Cleaner! Was there ever such a line-up for quick sales and profits?

More Big News to Come!

Nor is this all. Westinghouse designers and engineers are constantly working to add more and more improved merchandise to broaden sales opportunities and open up new markets. There will soon be announced many new and improved table appliances . . . a new addition to the vacuum cleaner line . . . and many others. Why not get all the facts and advance information on the products and merchandising assistance that Westinghouse has ready for you? The records of Westinghouse dealers in recent months will open your eyes to the opportunities with Westinghouse. Write, wire or mail the coupon below for full information.

Westinghouse

"THE LINE OF LEAST RESISTANCE"

NEWS MAKES SALES
SALES MEAN PROFITS
Get your share
MAIL COUPON FOR FULL DETAILS

THIS COUPON BRINGS FACTS YOU SHOULD KNOW

Westinghouse Electric & Mfg. Co.,
Merchandising Dept., Mansfield, O.

We want details of new Westinghouse products and Sales Promotion policies.

Name.....

Address.....(H. A. 9-29-32)

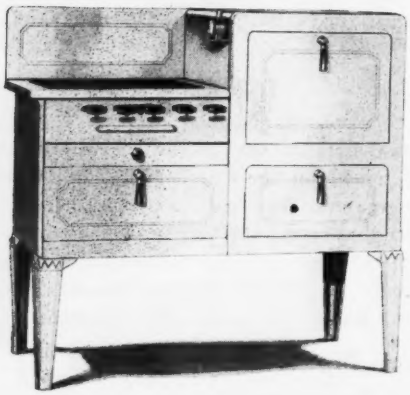
FAVORITE

SINCE 1847

"THE CHOICE OF THE MODERN HOUSEWIFE"

PROFIT WITH THIS COMPLETE NEW LINE OF MERCHANDISE

"The Challenger Gas Range"



THE KEY TO PROFITS!

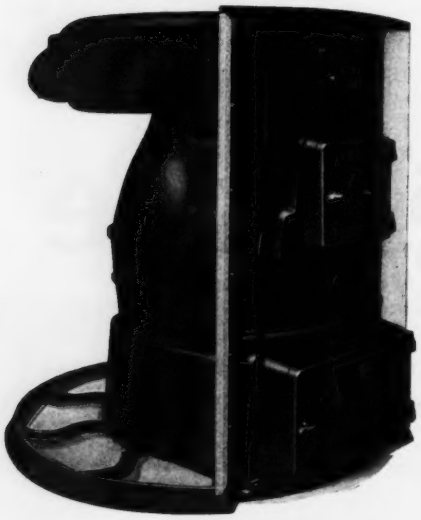
A complete new line of gas, coal and combination ranges, heaters, furnaces and cast cooking utensils that embody every desirable feature of construction—to sell at popular prices.

"The Kozy Heater"

EXCLUSIVE SALES FEATURES
DEALER PROFIT—CONSUMER SATISFACTION
ALL UNDER ONE TRADE MARK

"The 93 Coal Range"

"The Hermetic Furnace"



Build for the future — give your customers the best at prices that are popular.

Remember!

New Designs!

Favorite Quality!

Low Prices!

"Cast Cooking Utensils"

WRITE TODAY!
FOR COMPLETE 1932 CATALOGS AND PRICES!

THE FAVORITE STOVE & RANGE COMPANY

PIQUA—OHIO

MID-STATES PRODUCTS

MID-STATES "Galvannealed" WEATHER-PROOF WEAR-PROOF WIRE

The Mid-States Steel & Wire Co. is a merger of the Crawfordsville Wire & Nail Co., the Adrian Wire Fence Co. and the Dwiggins Wire Fence Co., all organizations which have enjoyed excellent reputations for many years in the fence, wire and nail fields. Under the merger the years of manufacturing experience and the patents are combined to improve the products of the organization still further.

All fence and barb wire is now made of Copper-Bearing GALVANNEALED WIRE. GALVANNEALING is a patented process which covers the high grade steel wire with a super-coating of zinc two or three times as thick as that put on by the old galvanizing process and actually locks and blends the zinc with the steel, so that it cannot flake off. This extra zinc coating causes GALVANNEALED WIRE to outlast wire made by the ordinary galvanizing process two or three to one . . . it keeps the farmer a satisfied customer, at no greater cost than that of other standard brands of fence.

FIELD FENCE

ADRIAN BRAND

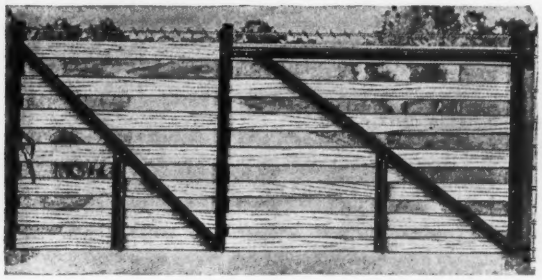
is a sturdy, time-tested field fence with stiff stay construction and a large sturdy knot that holds under all conditions. It is made in standard heights and gauges.

STAR BRAND

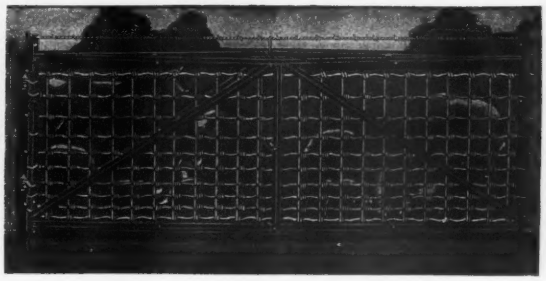
is an exceptionally neat and strong field fence. The knot (shown above) grips both line and stay wires. It is made in standard heights and gauges.

BEN HUR BRAND

is a wrap stay, or hinge joint, fence of the standard type. It is made in standard heights and gauges.



STAR NEVER-SAG WOOD AND STEEL GATE



GIANT NEVER-SAG ALL STEEL GATE

GATES

The STAR NEVER-SAG WOOD AND STEEL GATE is made of surfaced one-inch boards and an angle steel frame and braces. The hinges are actually a part of the top and bottom horizontal braces so that the gate cannot sag and it is put together entirely with bolts, no nails are used in its construction. It is furnished in standard sizes.

The GIANT NEVER-SAG ALL STEEL GATE is made entirely of steel, except the hinges, which are malleable. It is constructed on the principle of the cantilever bridge, with a double steel frame sprung apart in the center and bolted together at the ends. Filled with GALVANNEALED fabric, it is the best and strongest farm gate on the market.

The ANDERSON NEVER-SAG WOOD AND STEEL GATE is the same as the STAR except that the brace is omitted from the outside panel. Both of the wood and steel gates are double-dipped in a special red paint warranted to preserve the wood.

STEEL POSTS

Tee Rail, Rigid U, Studded Tee, Punched Tee and Angles in standard heights. Write for descriptions and prices.

NAILS

Mid-States manufactures nails in the following styles; Common, Cement Coated, Counter Sunk, Finishing, Flooring, Box, Galvanized, Roofing, Blued, Clinch and Clout Nails, as well as nails for special purposes too numerous to list.

BARB WIRE

Standard styles in 80 rod and catch weight spools made of GALVANNEALED Copper-Bearing Wire.

BALE TIES

Lead-annealed and GALVANNEALED in all sizes and gauges.

Six different styles of ornamental fence, all heights, ornamental walk and drive gates, flower bed border and trellis, cemetery arches, light poultry fence, straight-line poultry netting, corral or factory fence, and single and double jack stretchers are other items of the Mid-States line.

Write for Descriptions, Illustrations and Prices.

MID-STATES STEEL & WIRE COMPANY

CRAWFORDSVILLE, INDIANA

IVER JOHNSON

FAST SELLING

FIREARMS / CYCLES

IVER JOHNSON FAST SELLING

REVOLVERS • SHOTGUNS • RIFLES • BICYCLES

JUNIORCYCLES • VELOCIPEDES • SCOOTERS • WONDER WALKERS

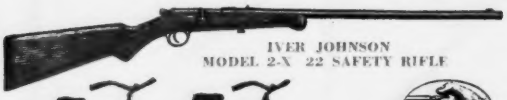
Send for price information. For Firearms, ask for Catalog "A". For Cycles Catalog "B".

IVER JOHNSON
.22 SUPERSHOT
SEALED EIGHT
WITH COUNTERBORED CHAMBERS

IVER JOHNSON CHAMPION
SINGLE BARREL SHOTGUN

I. J. TARGET
.22 SEALED 8
WITH
COUNTERBORED CHAMBERS

IVER JOHNSON HAMMERLESS
DOUBLE BARREL SHOTGUN



IVER JOHNSON
MODEL 2-X 22 SAFETY RIFLE

IVER JOHNSON
MOBICYCLE, MODEL 87M

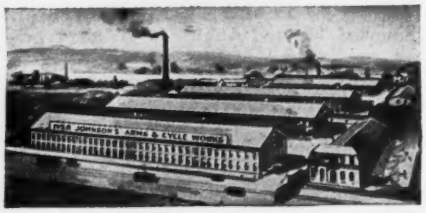
IVER JOHNSON
JUNIORCYCLES

IVER JOHNSON
WONDER WALKER, MODEL 1030

IVER JOHNSON
SUPER MOBIKE, MODEL 87K

IVER JOHNSON VELOCIPEDES

QUALITY
SINCE
1871



IVER JOHNSON

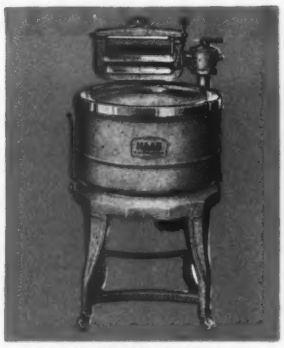
THE LARGEST FACTORY OF ITS KIND IN THE WORLD

IVER JOHNSON'S ARMS & CYCLE WORKS, Fitchburg, Mass., U. S. A.

BRANCHES

New York—151 Chambers St. Chicago—108 W. Lake St. San Francisco—717 Market St.

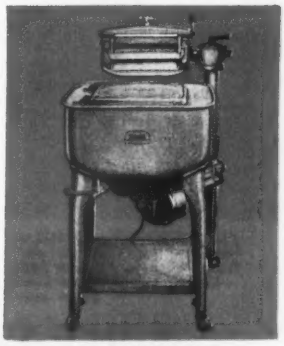
POINT by POINT HAAG FEATURES OUT CLASS all COMPETITION



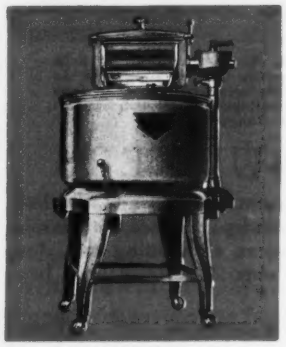
HAAG MODEL 65

From the Haag Brothers have come many of the developments that are now accepted as standard practice in modern washing machine manufacture. The present day submerged agitator, the enclosed gear mechanism, and many other improvements were perfected and popularized on Haag machines.

It's natural that these experienced washing machine engineers should bend every effort to make each feature of their washers superior to those found on ordinary machines. Point by point they have made Haag Washers outstanding in the industry.



HAAG MODEL 75



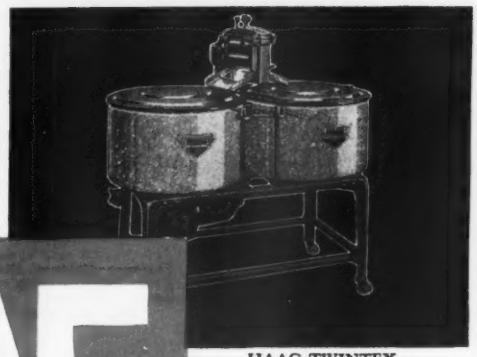
HAAG MODEL 45

Interpreted in sales, the mechanical perfection of Haag Washers means just this: Every prospect can be easily and quickly shown just exactly how the Haag is superior, not in one way, but in an overwhelming number of ways! There can be no doubt in any observer's mind but what the Haag is a profitable home investment. The six models with electric or gasoline engine drive meet every requirement. The wide range of price satisfies every market. Here are nine of Haag's many selling features.

1. Haag wringers are of heavy cast non-flexing construction. They maintain a steady, even pressure between the rolls in a way that the usual pressed sheet steel wringer can never equal.
2. Haag Rolls are large balloon type; of soft, springy rubber all the way to the core. A bronze core between the rubber and the steel shaft prevents corrosion and separation.
3. The Haag Release Lever is safer. It is placed in the most logical position and releases instantly from either side by an outward thrust of the hand.
4. The Power Leg of the Haag centers the wringer over the rinse as well as the washing tub in the only correct wringing position. It also strengthens the machine.
5. Substantial Haag construction permits the use of oversize tubs that increase the capacity and make quicker washings possible These range from 404 to 924 cubic inches larger than standard.
6. The Haag Safety Submerged Agitator cups down over the raised base in the tub bottom preventing clothes from working under and becoming torn. Every woman appreciates this exclusive feature.
7. Haag Bronze Self Oiling Wringer Bearings never wear out, never bind, never need attention, never soil the clothes. They are far superior to the wood bearings found in many other makes.
8. The Adjustable Haag Casters make it possible to adjust the machine to an easy working height for any operator. This makes the Haag an easier machine to use.

HAAG TWINTEX MODEL 85

HAAG MODEL 55



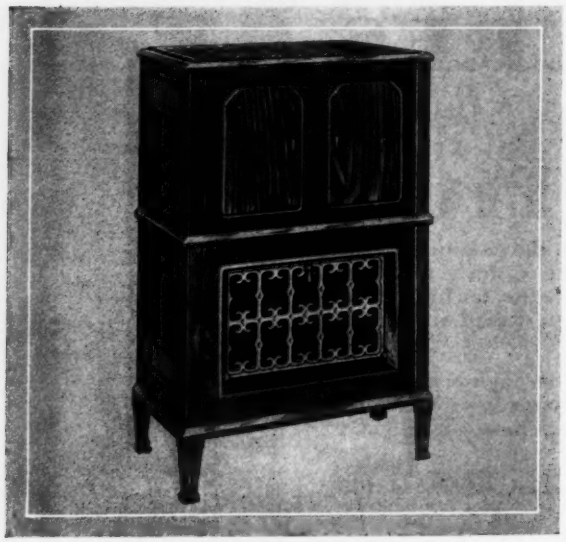
HAAG TWINTEX MODEL 90

Please remember—The Haag is specific in the advantages it offers to dealers. Point by point its features make it easy to out sell competition. Its unusual beauty matches unusual performance. It carries a real profit. Original sales helps are available. For the complete story send for the Haag portfolio which gives you the last minute information on these profit makers. Write for it today.

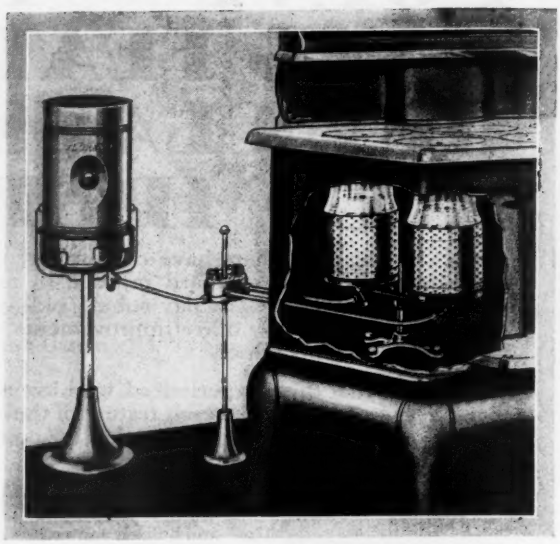
Haag Bros. Co.
PEORIA, ILLINOIS

HAAG WASHERS

Florence Business *for* You



Florence Circulating Heater CH-26. Heats 3 to 5 open rooms. Burns range oil. Built-in humidifier; radiant front; burners tilt and light with match. Has flue outlet —heated air does not contact burners. Finish: Walnut-grain porcelain enamel.



Florence Range Burner K-28. Two extra-powerful 6 in. burners; quick, positive one-turn valves supported on stand secured to the floor. Big, gray enamel metal tank equipped with double-reading oil gauge. Stylish appearance. Burns Range Oil.

HEATERS

Folks must keep warm. They buy heaters for their homes, stores, offices, shops, service stations . . . to take the place of or to supplement their cellar heating plants. And these people are interested in oil as fuel because it is clean, efficient, easy to use, and often more economical than coal.

In FLORENCE you have oil-burning heaters for every need and pocketbook. The new CH-26 Circulating Heater is a modern piece of furniture, finished in walnut-grain porcelain enamel. Powerful—heats 3 to 5 open rooms. Burns range oil. The KC-8 Radiant Heater also burns range oil. The C-2 Cabinet Heater burns kerosene. There are also portable room heaters, —the H Line.

You can sell the heaters that people want—with FLORENCE. And the heavy demand comes in the fall.

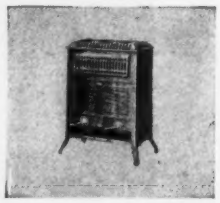
RANGE BURNERS

Folks must cook and keep warm. Thousands who have coal-burning kitchen stoves and parlor heaters have installed these modern oil burners, eliminating coal, dust, ashes, hard work . . . and obtaining clean, even heat, always under control.

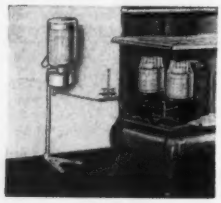
In FLORENCE you have a complete line of Range Burners for kitchen stoves and parlor heaters. Listed as standard by the Underwriters' Laboratories, endorsed by Good Housekeeping Institute and backed by a guarantee that means something. The wickless type oil burner was a Florence invention and it has been brought to perfection in the present models. You can sell and recommend Florence Range Burners for they are backed by 60 years' experience and a name that means *value*.

The range burner is rapidly becoming a year-round item. It offers a market worth looking into.

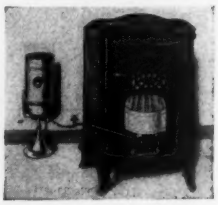
Florence Radiant Heater KC-8. Heats 2500 to 3000 cubic feet of space. Burns range oil. Has flue outlet.



Florence Cabinet Heater C-2. Heats 2000 to 2500 cubic feet. Burns kerosene. Mahogany grain porcelain finish.



Florence Range Burner G-26 for kitchen stoves. Amazing value. Burns range oil.



Florence Range Burner for parlor heaters. K-110, 10" burner; KB-8, 8" burner. Range oil.

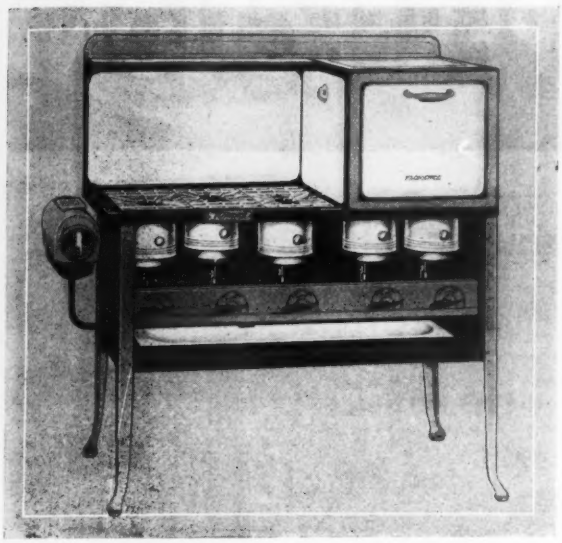
FLORENCE is the oldest name in oil stoves and a coming name in gas ranges. Backed by 60 years' experience and a real guarantee.

FLORENCE

GARDNER,

EST

Every Day *in the* Year!



Florence Oil Range with Built-in Oven—FR-5. Three-color porcelain finish; five powerful wickless kerosene burners; open grid level cooking top. Famous Florence Oven with reliable heat indicator.

Florence Gas Range, Console Model. Porcelain finish, modern colors; insulated ovens; heat control; automatic top burner lighter; bakelite handles. Also a splendid line of uninsulated models.

OIL RANGES

Folks must cook. Kerosene is clean, efficient and economical, ideal for camps, and a positive necessity in non-gas areas.

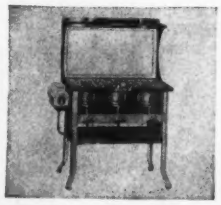
In FLORENCE you have a complete line of oil stoves; burners employing the famous Florence Wickless Principle, burning kerosene gas with a clean, intense flame; and improved Wicktype burners for those who prefer this kind. In models to meet each need and pocketbook, from 5-burner ranges with built-in oven to 4-, 3-, 2- and even 1-burner models. Also portable ovens.

Be ready to meet the oil stove needs *and desires* of your market with Florence, the complete oil stove line. Heaviest sales are in the spring and summer, and there's worthwhile business the year-round.

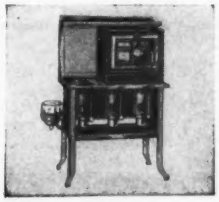
GAS RANGES

Folks must cook. Gas ranges are a practical year-round item in every city, bought by folks who live in apartments as well as by those who live in single houses. Hardware dealers find Florence Gas Ranges easy to sell *and profitable*.

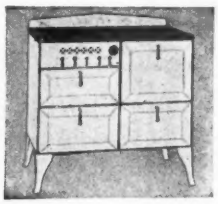
The name FLORENCE is well-known, nationally advertised; and the gas ranges are amazing value. New Table Top and Console models in modern colors, with every practical improvement, meet the needs of the most discriminating buyers. There is also a complete line of uninsulated models. You can display Florence Gas Ranges with pride and sell them with confidence for they are designed by experts and backed by a reputation that means something.



Florence Oil Stove A-3. Also 4- and 2-burner models. Wickless kerosene burners.



Gardner Oil Stove AX-3. Also 4- and 2-burner models, and ranges. Wicktype kerosene burners.



Florence Gas Range, Table Top Model. Fully insulated. Porcelain finish, modern colors. Also uninsulated models.

Florence Cabinet Base with two extra service drawers, can be attached easily to any Florence Console Gas Range.

STOVE CO.

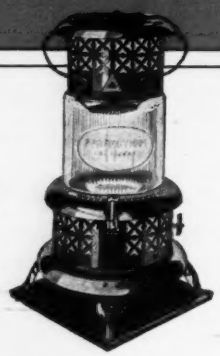
MASS.

1872

In FLORENCE you have a complete line of stoves and heaters — kerosene, range oil, gas, electricity—with models for every need and pocketbook.

"Made by PERFECTION"

Dealer profit and consumer satisfaction in a complete line of OIL BURNING APPLIANCES . . .



PERFECTION Portable Kerosene Room Heater No. 1690, a popular Firelight model with Pyrex brand glass globe. Twelve others, some all-metal. Finishes, porcelain enamel (modern colors) also black japan.

YEAR AFTER YEAR, for nearly a half-century, Perfection dealers have had the best values for their trade.

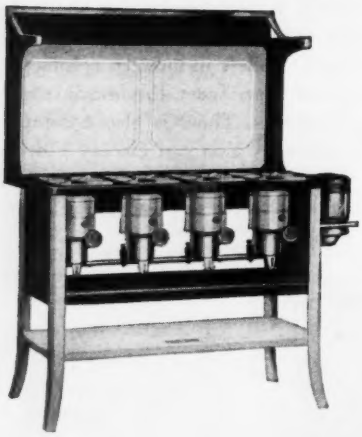
Year after year, Perfection offers *new* oil burning appliances as well as established lines in a wide range of sizes, styles and prices for every market.

Year after year, Perfection national advertising dominates the entire liquid fuel stove field.

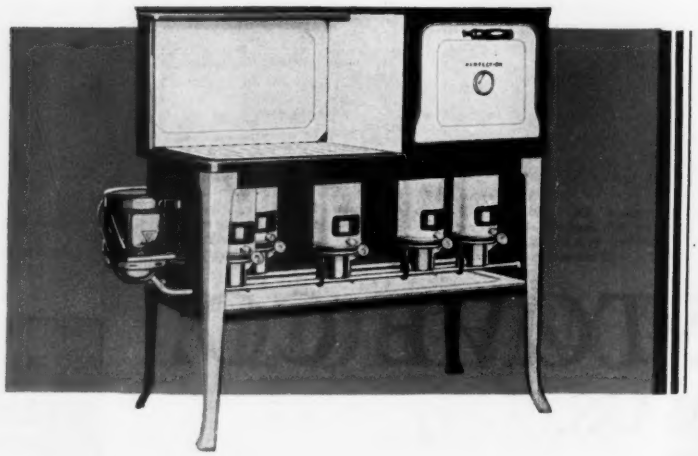
Selling Perfection products means building solidly for the future with goods of accepted quality made by a company with a reputation for sound policies and fair dealing. All Perfection-made cook stoves and heaters are sold only through retail dealers, not through mail order houses.

Write today for complete catalog information on any of the Perfection lines of oil burning appliances.

PERFECTION STOVE COMPANY · *7609 Platt Ave., Cleveland, Ohio*

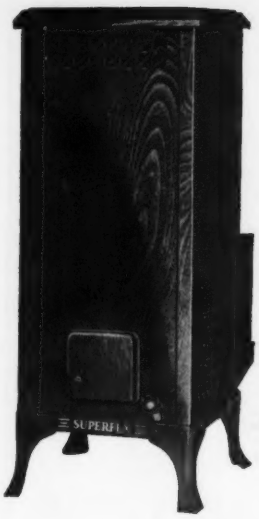


PURITAN, the better short drum stove. (No. 524 illustrated) four-burner flat-top cookstove with No. 504 cabinet. One of thirteen Puritan models in a wide choice of sizes and finishes. Some are ranges with built-in ovens.

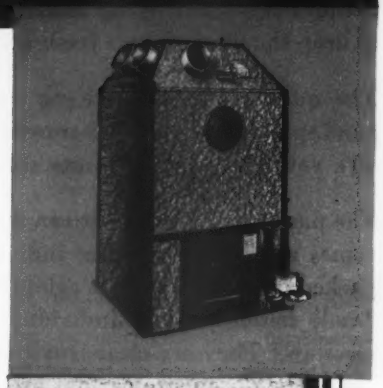


PERFECTION High-Power Range No. R-619, with built-in oven. One of fourteen High-Power models, in two- to five-burner sizes, including flat-top stoves for use with Perfection portable ovens. Finishes, porcelain and baked enamels and lacquer in all the popular color combinations. **The best oil burning cookstove in the world.**

makes selling easier



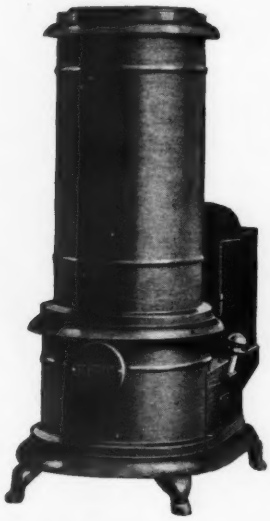
SUPERFEX Circulating Cabinet Heater (No. 1005, illustrated) In two seasons this new Perfection product has become the sensation of the stove-heating field. Modern vaporizing burner burns No. 1 Light Domestic Fuel Oil, Furnace Oil, Distillate or Kerosene. Fuel tanks are removable for easy filling. Also available with constant level valve for connection with outside fuel storage. Two sizes, both finished in beautiful grained walnut porcelain enamel.



SUPERFEX Oil Burning Warm Air Furnace . . A furnace that is in itself an oil burner. Four models.

•

NEW PERFECTION Model "C" Rotary Oil Burner . . . Simple, reliable, efficient for any type of heating plant.



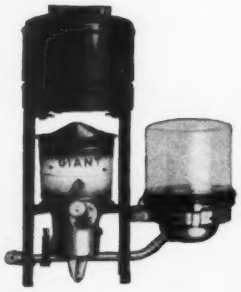
SUPERFEX Radiating Heater. (No. 1131, illustrated). Modern oil heat for service stations, offices, stores, as well as homes. Same vaporizing burner as in the Circulating models. Safe, economical and clean. Three sizes. Walnut brown porcelain enamel. Available with removable fuel reservoir or with connection for outside fuel storage tank.

SUPERFEX Water Heater No. 441 Perfection's newest, large capacity water heater—with Superfex vaporizing burner. Copper coil. Available with removable reservoir or with connection for outside storage tank. Finished in porcelain enamel.

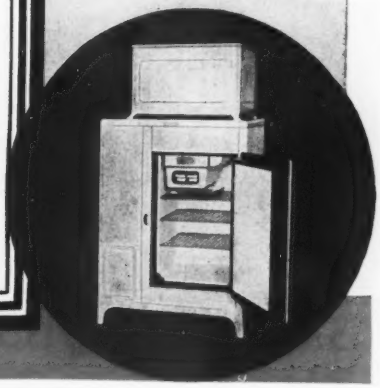
•

PURITAN Water Heater No. 405. One of nine water heater models in a wide range of sizes, capacities, and prices. Other styles with various types of Perfection burners.

•



SUPERFEX Oil Burning Refrigerator (Model 55) Iceless refrigeration without electricity. Enclosed kerosene burners operate only a short time daily. Four models.



Ivanhoe Cookstoves and Ranges. *A line of oil stoves with long chimney Perfection burners, built to sell at unusually low prices. 5 models.*

Why So Many Retailers Are Selling American King Handles

First, because they are the finest handles made and each handle backs up this claim. Second, because American King Handles are packaged to keep the stock always fresh and salable.

The quality: American King Axe Handles are hand split of finest second-growth hickory. They give your customers genuine satisfaction.

The package: Every American King Axe Handle comes as shown, in a neat individual container, packed 12 in an attractive colored display carton. Small handles come individually wrapped in glassine. They are clean, inviting, sales promoting. The dozen size cartons are a good economical unit to order.

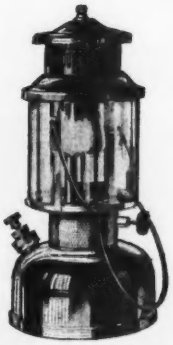
Let your store be distinguished for carrying this high quality and attractively presented line of handles. They will bring you constantly increasing sales at the proper margin of profit.

Send for Catalog and Prices.

American Handle Company

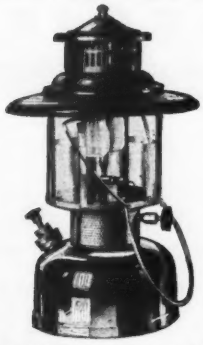
Jonesboro, Ark.

American READY-LITE Lamps and Lanterns at New Low Delivered Prices



No. 301 READY-LITE LANTERN. Match generating. Has straight generator, blue porcelain top, nickel plated fount, combination built-in pump and filler plug. Holds one quart gasoline, sufficient for 12 to 15 hours. Dealer's net price, delivered in U. S. A., $4.20.

No. 302 READY-LITE LANTERN. Same as No. 301 but with wide shade. Dealer's net price, delivered in U. S. A., $4.50.

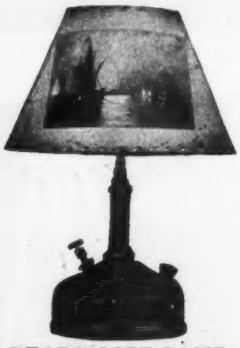


No. 304 READY-LITE LANTERN. Instant lighting. Has extra large generator with auto cleaner. Blue porcelain top, nickel plated fount, combination built-in pump and filler plug. Holds one quart gasoline, sufficient for 12 to 15 hours. Dealer's net price, delivered in U. S. A., $5.05.

No. 303 READY-LITE LANTERN. Same as No. 304 but with narrow shade. Dealer's net price, delivered in U. S. A., $4.75.

No. 337 READY-LITE LANTERN. A one-mantle, match-generating lantern. Has straight generator, combination built-in pump and filler plug, blue porcelain top. Other parts plated with rust-proof cadmium. Holds one quart gasoline, sufficient for 12 to 15 hours. Dealer's net price, delivered in U. S. A., $3.45.

No. L344 REMOVABLE WIDE SHADE. For No. 337 Lantern only. Dealer's net price, $ .33 each.



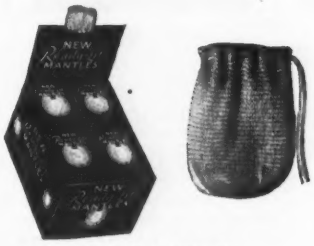
No. 290 READY-LITE LAMP. Lights instantly, no generating required. Finished in walnut brown with a light veiling of black, producing a dark walnut effect. Shade decorated with a painting in full color. Shade protected from heat by mica chimney. Has generator with auto cleaner. Built-in pump. Holds three pints fuel, sufficient for 15 to 18 hours. Dealer's net price, delivered in U. S. A., $4.80.

No. 595 READY-LITE LAMP. Two mantles, match generating. Finished in dark green, baked-on, crystallizing enamel. Has straight generator. Extra large filler opening. Opal glass shade. Holds 3 pints, sufficient for 15 to 18 hours. Dealer's net price, delivered in U. S. A., $4.30.

Lowest Prices in History—plus Free Delivery!

√ Check the quality . . . √ check the unparalleled low prices . . . √ check the free delivery to your door . . . √ check the incomparable values you are getting in American Ready-Lite Lamps, Lanterns, Mantles and Generators.

Lamps and lanterns delivered free, any quantity. Mantles delivered in quantities of one gross or more. Generators delivered in any quantity when ordered with lamps or lanterns—otherwise delivered in three dozen lots.



Ready-Lite Mantles

Made of rayon, saturated with the finest light-giving chemicals. Sewed and reinforced across the bottom by a new patented method.

Ready-Lite Mantles withstand remarkably severe shock tests. Packed only six (three pairs) in a carton, making it easy to sell them by the box. Price per gross, delivered to dealers in U. S. A., $6.90.

American Ready-Lite Generators

L109

L35

L14

No. L35 AMERICAN READY-LITE STRAIGHT GENERATOR. Per dozen $1.60, 3 dozen lots, delivered, per dozen, $1.50.

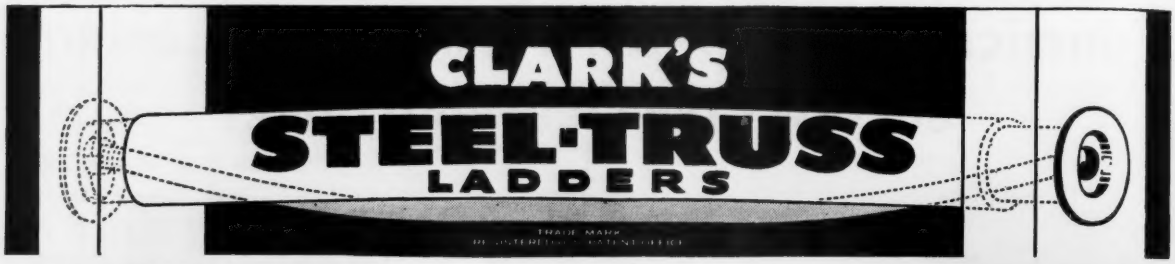
No. L109 AMERICAN READY-LITE GENERATOR WITH AUTO CLEANER. Per dozen $4.00, 3 dozen lots, delivered, per dozen $3.80.

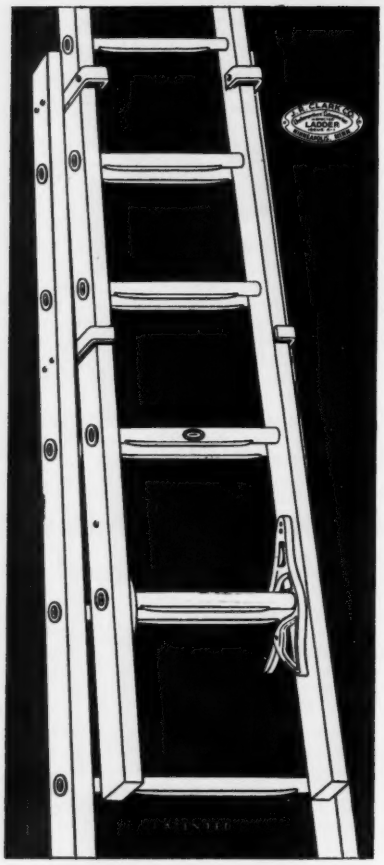
No. L14 AMERICAN READY-LITE COIL GENERATOR. Per dozen $2.80, 3 dozen lots, delivered, per dozen $2.65.

(Above generators fit American Ready-Lites and other standard makes.)

AMERICAN GAS MACHINE COMPANY, Inc.

Brooklyn, N. Y. ALBERT LEA, MINN. Oakland, Calif.





Clark's Steel-Truss Extension Ladders

(PATENTED)

(Approved as standard and inspected by Underwriters' Laboratories)

Entirely new Patented Truss Rod feature. An integrated Rod and Rung construction of trussed reinforcement—note illustration above—See how the rung is trussed for greater load carrying capacity. By this method the rod gives much greater support to the rung—adding tremendously to its strength, and stiffening ladder against side-sway.

The ¼ inch steel rod, inserted through the stile and the center of the ends of each rung insures strength where most needed. Rod has sufficient tension to bow the 1⅛ inch hickory rung slightly upward at center affording absolute rigidity and safety.

Clark's Steel-Truss Extension Ladders have successfully passed the severest laboratory tests. EVERY STEEL-TRUSS LADDER has the seal of the Underwriters' Laboratories—Approved as Standard and Inspected. No merchandise has ever been offered the trade with greater intrinsic value—with greater sales value.

Made of the best selected, clear, thoroughly seasoned close grain, old growth Douglas Fir. Every extension ladder equipped with one set of roller guides and one set of extra guides (four guides on each ladder) as well as automatic hooks. All hardware cadmium finished. Ladders furnished in all lengths from 16 to 60 feet in regular types, or with rope and pulley or rope, pulley and windlass attachments.

Clark's Durable Step Ladders

(PATENTED)

Strongest and safest construction known. Patented steel rod and shoulder construction under each step. Shoulder supports reinforce both rod and step. Malleable top iron, steel brace with pail handle grip. These features insure greatest rigidity and safety.

Every Durable stepladder bears the seal of the Underwriters' Laboratories—approved as standard and inspected. Also approved by Good Housekeeping Institute.

J. R. CLARK CO.
Underwriters' Laboratories
INSPECTED
LADDER
ISSUE A-1
MINNEAPOLIS, MINN.

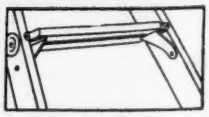
Every Clark's Steel-Truss Ladder bears the label of the Underwriters' Laboratories

Tested and Approved
Good Housekeeping Institute

Constructional Features of Stepladders

1. Malleable head piece and steel back standard reinforcement. Cadmium finish. Riveted—no nails used. 2. Heavy steel spreader brace with large pail handle. 3. ¼ inch countersunk rods and riveted steel shoulders under each step. 4. Cross section showing detail of patented rod and shoulder construction.

No. 1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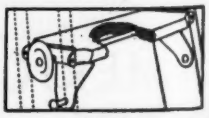
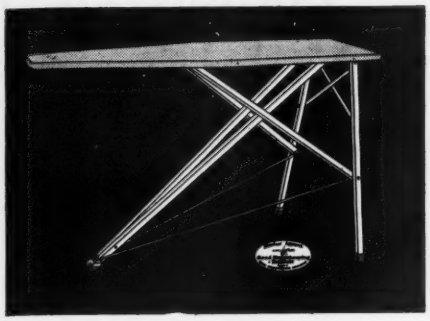
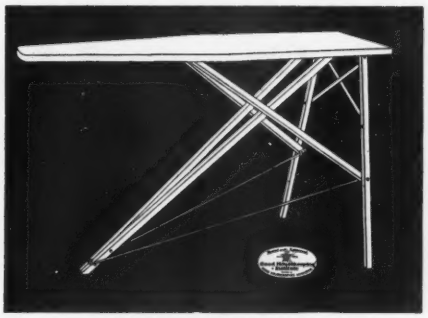

No. 4

CLARK'S NEW IMPROVED RID-JID IRONING TABLES





The ROYAL RID-JID

Finest ironing table ever produced—designed for people who can afford quality products. Built extra sturdy and rigid—will not wabble, slip or slide. Opens and closes automatically. Finished in beautiful gray lacquer with water-proof damp-proof and warp-proof top. Legs and hardware finished in green. Has non-skid corrugated red rubber feet—will not slip or harm linoleum floors. The hardware contrasts with a sparkling green finish—a striking and colorful article made exceptionally durable. Standard size 15″ x 56″ top. Approximate shipping weight, 216 lbs. per doz. Packed individually one to carton.

Kitchenette size 13″ x 44″ top, same construction, but without automatic opening and closing feature. Approximate shipping weight, 186 lbs. per doz. Packed individually one to carton.

The REGULAR RID-JID

The world's greatest selling folding ironing table—priced and styled for today's competitive market. Has the famous Automatic Opening and Closing feature. Same quality materials as the Royal Rid-jid model, same fine workmanship, and sturdy "Stay-put" construction. Wood is natural finish—hardware is Black. Made in Standard size 15″ x 56″ top. Approximate shipping weight 210 lbs. per doz.

Kitchenette size 13″ x 44″ top, same general construction, but without automatic opening and closing feature. Approximate shipping weight, 186 lbs per doz. Individually packed—each in attractively labeled carton.

The Only Ironing Tables
That Both OPEN and CLOSE Automatically

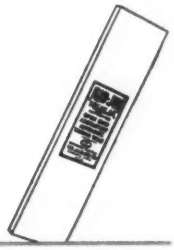
Housewives are quick to see and appreciate this EXCLUSIVE feature of Clark's Rid-jid Ironing Tables. Illustrations show how quickly and easily this practical table may be opened for ironing and also how quickly and easily it can be closed. It folds up very compactly, occupies very small space when not in use. One operation opens or closes it. Note the handy, individual cartons in which these popular selling Ironing Tables are packed. They require minimum shelf or storage space.

THE J. R. CLARK CO.

MANUFACTURERS OF

WOODENWARE
WOODENWARE SPECIALTIES
AND LADDERS

MINNEAPOLIS, MINN., U. S. A.



CORNING GLASS WORKS Corning, N. Y.

Pyrex Housewares Division

PYREX BRAND OVENWARE

Pyrex is the trade mark which indicates manufacture by Corning Glass Works.

CASSEROLES—ROUND

No.	U. S. Trade Size	Outside Dimensions in Inches	Pieces in Case	Weight Case Lbs.
*164	8 oz.	4½x1⅞	12	12
621	½ qt.	6x2¼	12	26
622	1 qt.	6⅞x2¾	12	34
623	1½ qt.	7⅞x3	12	43
624	2 qt.	8⅞x3¼	12	56
626	3 qt.	10⅝x3½	6	40

*No handles.

CASSEROLES—OVAL

No.	U. S. Trade Size	Outside Dimensions in Inches	Pieces in Case	Weight Case Lbs.
632	1 qt.	8x5⅞x2⅞	12	36
633	1½ qt.	9½x6⅝x3	12	45
634	2 qt.	10¼x7½x3¼	12	57

CASSEROLES—OVAL—SHALLOW

No.	U. S. Trade Size	Outside Dimensions in Inches	Pieces in Case	Weight Case Lbs.
641	¾ qt.	5¾x3⅞x2⅛	12	17
642	1 qt.	9½x6⅝x2⅛	12	41
643	1½ qt.	10½x7½x2¼	12	53
644	2 qt.	11⅞x8⅝x2½	6	36

NEW CASSEROLE—UTILITY COVER

No.	U. S. Trade Size	Outside Dimensions in Inches	Pieces in Case	Weight Case Lbs.
683	1½ qt.	7⅞x3	12	49

CASSEROLE—SQUARE

No.	U. S. Trade Size	Outside Dimensions in Inches	Pieces in Case	Weight Case Lbs.
652	1½ qt.	7⅞x2⅞	12	48

OPEN BAKERS—ROUND

No.	U. S. Trade Size	Outside Dimensions in Inches	Pieces in Case	Weight Case Lbs.
021	½ qt.	6x2¼	12	17
022	¾ qt.	6⅞x2¾	12	25
023	1½ qt.	7⅞x3	12	29
024	2 qt.	8⅞x3¼	12	38
026	3 qt.	10⅝x3½	6	28

OPEN BAKERS—OVAL

No.	U. S. Trade Size	Outside Dimensions in Inches	Pieces in Case	Weight Case Lbs.
032	1 qt.	8x5⅞x2⅞	12	26
033	1½ qt.	9½x6⅝x3	12	29
034	2 qt.	10¼x7½x3¼	12	39

OPEN BAKERS—OVAL—SHALLOW

No.	U. S. Trade Size	Outside Dimensions in Inches	Pieces in Case	Weight Case Lbs.
041	¾ pt.	5¾x3⅞x2⅛	12	11
042	1 qt.	9½x6⅝x2⅛	12	27
043	1½ qt.	10½x7½x2¼	12	25
044	2 qt.	11⅞x8⅝x2½	6	24

OPEN BAKER—SQUARE

No.	U. S. Trade Size	Outside Dimensions in Inches	Pieces in Case	Weight Case Lbs.
053	1½ qt.	7⅛x2⅞	12	30

MEASURING CUP—ROUND

No.	Pieces in Case	Weight Case Lbs.
8	12	11

PIE PLATES—ROUND

No.	Outside Dimensions in Inches	Pieces in Case	Weight Case Lbs.
205	4⅞x1⅛	48	25
208	8½x1½	24	45
209	9½x1½	24	58
210	10½x1½	12	35
211	11½x1½	12	42

BREAD OR LOAF PANS—OBLONG

No.	Outside Dimensions in Inches	Pieces in Case	Weight Case Lbs.
212	9⅛x5⅛x2⅞	12	29
213	4⅞x3x1⅞	48	29
214	10⅝x5⅝x3⅝	12	49

CAKE DISH—ROUND

No.	Outside Dimensions in Inches	Pieces in Case	Weight Case Lbs.
221	9⅛x1¼	12	26

UTILITY DISHES—OBLONG

No.	Outside Dimensions in Inches	Pieces in Case	Weight Case Lbs.
231	10½x6½x2	12	34
232	12⅝x8⅛x2	12	47

BISCUIT PAN—OBLONG

No.	Outside Dimensions in Inches	Pieces in Case	Weight Case Lbs.
235	11⅛x8⅝x1¼	12	37

PLATTERS

No.	Outside Dimensions in Inches	Pieces in Case	Weight Case Lbs.
312	12x9¼x⅞	6	16
316	15⅝x11⅝x⅞	6	28

WELL AND TREE PLATTER

No.	Outside Dimensions in Inches	Pieces in Case	Weight Case Lbs.
372	15⅝x11⅝x⅞	6	30

OVAL DISHES

No.	U. S. Trade Size	Outside Dimensions in Inches	Pieces in Case	Weight Case Lbs.
400	8 oz.	6¼x4⅛x1⅛	36	25
401	12 oz.	7x4⅞x1⅛	36	32
402	16 oz.	8x5⅝x1½	36	40

12 to a carton—36 to a case

CUSTARD CUPS—ROUND

No.	U. S. Trade Size	Outside Dimensions in Inches	Pieces in Case	Weight Case Lbs.
414	4 oz.	3½x1-11/16	144	38
416	6 oz.	4x2¼	72	33
425	5 oz.	3⅛x2⅝	72	29
426	6 oz.	3⅝x2⅝	72	37

BAKED APPLE DISH

No.	Outside Dimensions in Inches	Pieces in Case	Weight Case Lbs.
435	4¾	24	22

INDIVIDUAL BAKER—RAMEKIN ROUND—WIDE RIM

No.	U. S. Trade Size	Outside Dimensions in Inches	Pieces in Case	Weight Case Lbs.
442	4 oz.	3¾x1½	72	30

INDIVIDUAL DEEP PIE DISH—ROUND

No.	U. S. Trade Size	Outside Dimensions in Inches	Pieces in Case	Weight Case Lbs.
452	6 oz.	4¼x1⅝	72	36
453	8 oz.	4½x1⅝	48	29
455	12 oz.	5⅛x1⅞	48	38

BEAN POTS—ROUND

No.	U. S. Trade Size	Outside Dimensions in Inches	Pieces in Case	Weight Case Lbs.
502	14 oz.	4½x3½	6	17
504	1 qt.	5¾x4½	6	20
506	2 qt.	7¼x5¾	6	30

PYREX RESISTANT GLASS TEAPOTS —ROUND

No.	Size	Pieces in Case	Weight Case Lbs.
11	1 Cup	12	15
12	2 Cups	12	20
14	4 Cups	12	25
16	6 Cups	12	31

SQUAT

No.	Size	Pieces in Case	Weight Case Lbs.
22	2 Cups	12	21
24	4 Cups	12	25
26	6 Cups	12	33

TEAPOT TILE

No.	Size	Pieces in Case	Weight Case Lbs.
706	6x¾	24	23

REFRIGERATOR DISHES

No.	Outside Dimensions in Inches	Weight Case Lbs.
592	5x9x2	36
593	5x9x3	41
*594	5½x10½x3½	54
662	6x6x2	29
663	6x6x3	33
440	Set	13

Set includes Nos. 592, 593, 662, 663.
*Not included in set.

CAKE DISH—SQUARE

No.	Outside Dimensions in Inches	Pieces in Case	Weight Case Lbs.
809	9⅛x1½	12	38

PERCOLATOR TOPS

No.	Outside Dimensions in Inches	Pieces in Case	Weight Case Lbs.
853	Diameter 2⅛	144	25

HORTON PERFECT 36 WASHERS + +

The Perfect 36 DeLuxe
(Illustrated at right)

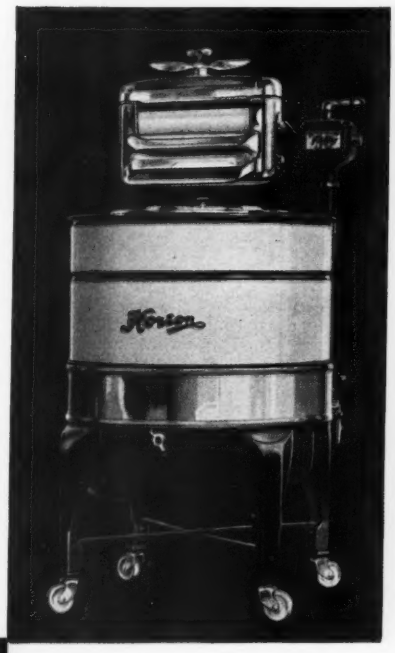
Mechanical and structural details as in Perfect 36 Standard with the addition of super-quality features. Gleaming White Porcelain Tub, inside and out, oversize dimensions, six-sheet capacity.

Chromium Plated Skirt, lid and trimmings non-tarnishing and rust-proof.

Lovell DeLuxe Wringer of handsome new design, chromium plated.

The Perfect 36 Gasoline
(Illustrated below)

Identical in all details with Perfect 36 Standard, except instead of electric motor, washer is powered by the latest type Briggs & Stratton Gasoline Engine—four cycle, single cylinder, air-cooled, built-in magneto, separate oil and gas tanks, pedal starter.



THE PERFECT 36 STANDARD
(Illustrated above, right)

The finest washer by the builder of America's first washing machine, embodying extra-value features developed in 61 years' experience.

FAMOUS HORTON SEALED MECHANISM. Cut steel gears, precision machined, operating in constant bath of oil. Timken roller and ball bearings; noiseless, vibrationless operation. Entire mechanism sealed at factory against need of service.

OVERSIZE PORCELAIN TUB, CLAMPED TO FRAME, CUSHIONED IN RUBBER. Largest tub ever used on an agitator type washing machine; 23-inch diameter; 14-inch depth. Porcelain enamel, inside and out, fused on Armco iron. Tub securely clamped to frame by an exclusive Horton method which eliminates bolts—not a single bolt goes through this tub. A rubber cushion between tub and frame prevents noise and vibration, and holds tub securely in place. Clean cut steel frame, great strength, light weight.

Specially designed submerged agitator of cast virgin aluminum sends more water per minute through clothes. Full ¼ h.p. heavy duty electric motor, cushioned in rubber—**floating power.**

Lovell Pressure Cleanser, 2½-inch balloon rolls. Sealed wringer gear mechanism, hardened steel clutch and gears, lifetime lubrication.

BEAUTIFUL COLOR COMBINATIONS. Choice of buff and green or two shades of green. Unconditional lifetime guarantee.

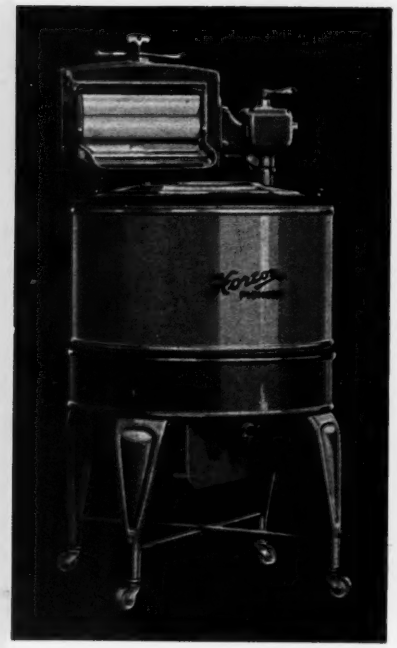
HORTON MANUFACTURING COMPANY
FORT WAYNE, IND.

HORTON + A GOOD NAME FOR 61 YEARS

HORTON

Emerald and Pioneer

WASHERS + +



More value per dollar is embodied in these two new models—The Pioneer and The Emerald—than has ever before been offered in Horton's 61 years' experience.

Both washers have exclusive features developed by Horton engineers which insure fast, efficient washing and satisfactory service over a period of years.

The Pioneer Gasoline
(Illustrated below)

Identical in all details with the Pioneer Electric except that washer is powered by the latest type Briggs & Stratton gasoline engine—four cycle, single cylinder, air-cooled, built-in magneto, separate oil and gas tanks, pedal starter. Emerald Washer also available in gasoline engine model.

Below are listed a few of the quality features found in both the Horton Pioneer and the Horton Emerald.

SILENT SEALED MECHANISM. Cut steel gears, machined to the finest precision, operating in a constant bath of oil, assuring dependable, trouble-free operation. Sealed at factory against need of service.

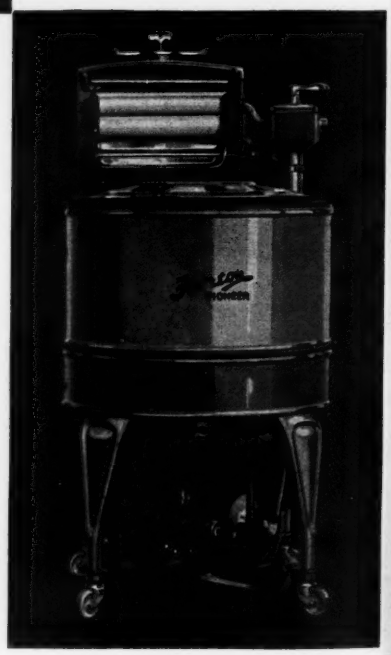
SPECIALLY DESIGNED FOUR-WING AGITATOR. Submerged type creating an exceedingly turbulent water action for swift, thorough washing. Agitator cast in one piece of virgin aluminum.

PORCELAIN TUB, CLAMPED TO FRAME, CUSHIONED IN RUBBER. Large size tub, full six-sheet or equivalent capacity. Porcelain enamel, inside and out, fused on genuine Armco. Tub securely clamped to frame and cushioned in rubber by exclusive Horton method. No bolts through tub. Clean cut steel frame, great strength, light weight.

Heavy duty 1/4 H.P. electric motor with two-year guarantee. Pivotal mounting in live rubber giving full floating power.

NEW STYLE LOVELL WRINGER. Pioneer 2-inch rolls and flipper drain adjustment. Emerald 2 1/4-inch rolls and new flume type drain.

BEAUTIFUL COLOR COMBINATIONS. The Pioneer has a tub in Roma Brown porcelain enamel and chassis of Fawn Brown. The Emerald comes with a tub of Nile Green porcelain enamel and the chassis in Emerald Green.

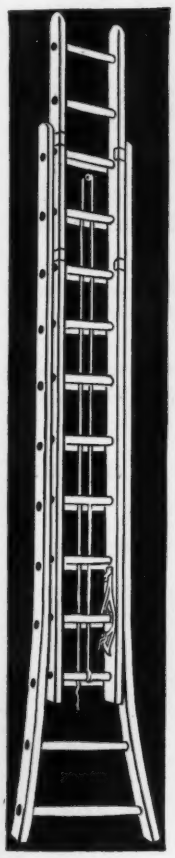


HORTON MANUFACTURING COMPANY
FORT WAYNE, IND.

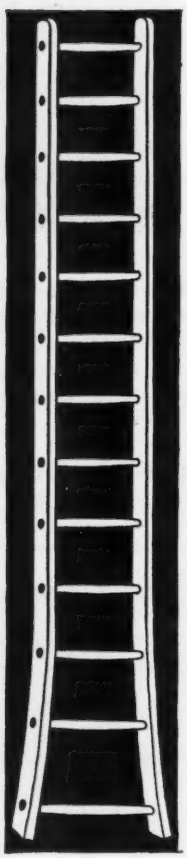
HORTON + A GOOD NAME FOR 61 YEARS

RICH SAFE, SPRUCE LADDERS

FOR EVERY PURPOSE



SAMPSON



SINGLE

SAMPSON EXTENSION LADDER

Clear selected spruce rails, 1⅛" hickory rungs with creosoted ends. Automatic lock, roller guides. Can be equipped with windlass.

SAFETY SINGLE LADDER

Clear, selected, straight grain material. Rails 1⅝" x 2¾". 1⅛" hickory rungs, with creosoted ends. Spread bottom.

RICH Ladders are the definite answer to the growing demand for *utmost safety to life and limb.* Quality made of carefully selected, air-dried clear spruce, with cadmium-plated, rust-resisting hardware and other exclusive features, they are unequalled for safety, durability and light weight. Because of these superiorities they easily win customer preference over others, to the profit of Rich Dealers.

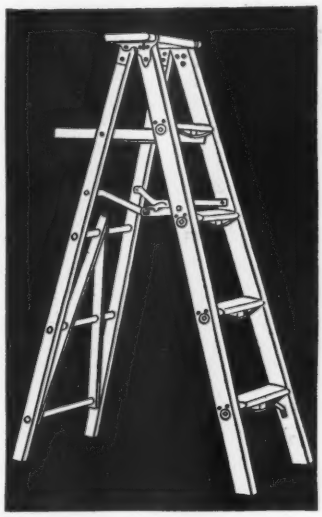
24 HOUR SERVICE

Large stocks of Rich Ladders at conveniently located shipping centers, together with our modern manufacturing methods and great plant capacity, enable us to render 24-hour service on all orders.

COMPLETE LINE

In addition to the Ladders and other Rich products illustrated, the Rich Line includes Fruit Pickers' Ladders, Platform Ladders, Sectional Ladders, Window Cleaning Ladders, Paperhangers' and Decorators' Rodded Ladders, Scaffolding, Trestles, Adjustable Scaffold Jacks, Step Stools, Clothes Props, etc.

Complete catalog and prices will be mailed on request.



CINCINNATI TRUSS STEP

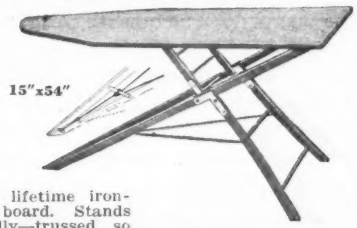
Solid risers of genuine selected spruce. ¼" rod and truss block under each step, malleable iron washers. Wood handle, four-arm steel lock; malleable ears, wide cap and steps. "V" shaped brace. "U" iron on back legs. Angle iron brace under bottom step.

Get "Rich" Quick for Ladders

RICH GATES

Made of selected stock, varnished. 34 inches high. All rivets and hardware are cadmium plated to resist rust. Screws and screw eyes for attaching are included. Made in four sizes—3 ft., 5 ft., 7 ft., 9 ft. Shipped in cartons of half dozen, any size.

RICH "E-Z" IRONING BOARD



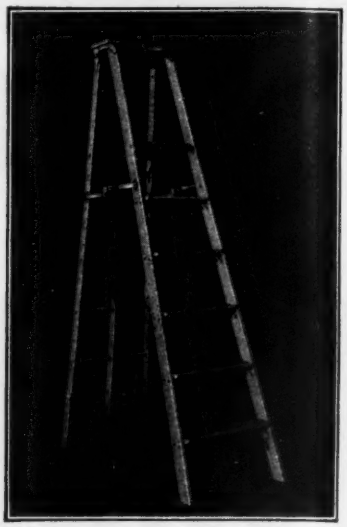
The lifetime ironing board. Stands solidly—trussed so it cannot collapse when in use. Easily and quickly opened and closed—folds flat. Large amount of end clearance. Metal parts cadmium plated to resist rust.

The Rich Pump and Ladder Company - - Cincinnati, Ohio

TILLEY

REG. U.S. PAT. OFF.

Extension Ladders
Single Ladders
Step Ladders
Extension Trestles
Scaffolding Jacks
Interior Scaffolds
Extension Planks
Orchard Ladders
Platform Ladders
Scaffold Platforms
Scaffold Irons
Window Cleaners' Ladders
Window Brackets
Sectional Ladders



Your customers are as vital to your business as your blood is to your body.

Sell Them Ladders of Well Known Quality.

Tilley Ladders have held the quality leadership for 77 years. Correctly designed for ease in handling, rigidity, strength and durability.

Priced Right. The Best to Buy. Most Satisfactory to Sell. Hardware Cadmium Plated. Write for Complete Catalog and Prices.

The John S. Tilley Ladders Co., Inc.
Watervliet, N. Y.

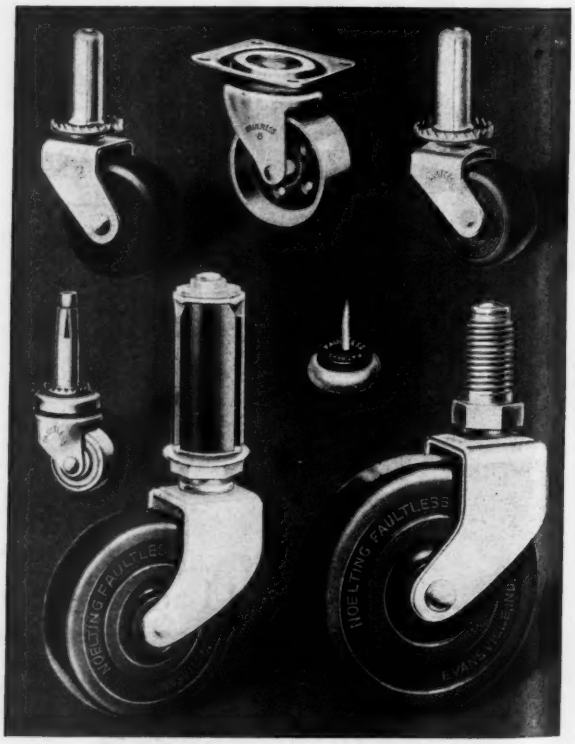
Sell the line of CASTERS that meets *ALL REQUIREMENTS*

No matter what type of caster your customer wants, with the FAULTLESS line in your stock, *you have it*. You make the sale because you have the caster built specifically for the job he wants done; a quality product, priced according to his ideas of *value*. The line is *complete*—meets *all* requirements; casters for underneath trucks; for office furniture; for store and garage equipment; for hospitals; for homes—for *every* service in which casters are used.

Meet all demands for casters from this *one, complete, nationally known* line. You get faster turnover. Smaller inventory. Less capital tied up in stock. A worthwhile profit on every sale. Investigate the profit opportunity in the *complete* FAULTLESS line. Write for details.

FAULTLESS CASTER COMPANY
EVANSVILLE, INDIANA

Boston, Chicago, Detroit, Grand Rapids, High Point, Kansas City, Los Angeles, New York, St. Louis

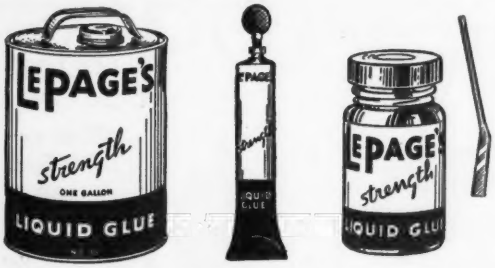


NOELTING

FAULTLESS CASTERS

MAKERS OF QUALITY CASTERS SINCE 1890

Le Page's-Signet Products



Le Page's Glue

Recognized as the world's standard of adhesives. Tests on Government approved machines indicate that Le Page's Glue is superior for strength and durability.

Bottles and tubes are packed in one-dozen colored counter displays individually cartoned. The gill size can is packed in a counter display holding one dozen. All the cans have outside friction tops that are easily removed and quickly closed.

National advertising has made Le Page's Glue the quick turnover product that carries a nice margin for the dealer.

Cat. No.		No. in Case	Weight per Case
25	Bottles Glue	1 gross	37 lbs.
27	Tubes Glue	1 gross	20 lbs.
30	Gill Cans Glue (or 4 oz.)	3 dozen 6 dozen	16 lbs. 33 lbs.
31	Half Pints	2 dozen	20 lbs.
32	Pints	1 dozen	18 lbs.
33	Quarts	1 dozen	34 lbs.
35	Gallons	½ dozen	72 lbs.
36	5 Gallon Can	1 only	55 lbs.

Le Page's Waterproof Cement

The outstanding household package. And it's absolutely waterproof—you can use hot or cold water on mended articles without affecting the cement. Can also be used for the same purpose as paste and do a good job.

Fixing or mending china, bric-a-brac, cut glass, ivory, marble, bone, wood, leather, and metal—it works like a charm. Individually cartoned and packed in good looking counter displays holding one dozen each.

Cat. No.	No. in Case	Weight per Case
46	1 gross	23 lbs.
Packed ½ gross to case		12 lbs.

Le Page's Waterproof Glue

This new type of glue will withstand the action of moisture, humidity, extreme heat and climatic changes.

Made from casein base—put up in dry powder form. For high-grade work such as wood-jointing, veneering on furniture, cabinets and pianos.

Easily mixed — no heating — great strength—economical—clean to handle.

Cat. No.		No. in Case	Weight per Case
600	10c. size	1 gro.	20 lbs.
600	8 ounce	1 doz.	8 lbs.
600	16 ounce	1 doz.	16 lbs.

Also packed in larger sizes.

Le Page's Gripspreader Mucilage

A real, patented rubber-spreader idea. Just squeeze the rubber tip, invert the bottle and spread. Here is a package that has switched millions of people from the old-fashioned paste pots and jars.

A special process gives this high grade mucilage a quick, sure stick. Packed in two sizes retailing for 10 and 25 cents. Put up in counter displays holding one dozen each.

Cat. No.		No. in. Case	Weight per Case
7	Standard Size	12 doz.	42 lbs.
77	Office Size	1 doz.	7 lbs.

Le Page's Tested Glue

In keeping with the progressive trend of selling, Le Page's Hard Glues are packed in "dressed-up" one pound cartons, fifty pounds to the case.

Clean to handle—no waste—no weighing—no wrapping—no extra weight given.

No. A-1 A popular ground sizing glue.
No. 10 Light colored ground sizing glue.
No. 60 All hide, flake glue.

Le Page's Paper Hangers Paste

Packed in one and two pound colorful cartons that are fine to use for display purposes; in bags holding one, two, and five pounds.

170 lb. Barrel (Bulk)
160 lb. Barrel (32—5 lb. bags)
160 lb. Barrel (80—2 lb. bags)
160 lb. Barrel (160—1 lb. bags)
160 lb. Barrel (assorted 16—5 lb., 30—2 lb., 20—1 lb.)
100 lb. Sacks (Bulk)
50 lb. Cases (50—1 lb. cartons)
50 lb. Cases (25—2 lb. cartons)

Le Page's Cold Water Size

Another popular product that has made the name Le Page's famous. For use on new or old walls, either plaster or wall board before painting and papering. Stops suction—will not show laps—odorless—does not crack or peel. Put up in one pound cartons, fifty pounds to the case—200 lb., 300 lb., and 500 lb. barrels.

Signet Metal Polish

An improved metal polish that is practically odorless—stays shined longer—holds its lustre—that's the main reason why Signet sells so readily.

Because of its being non-inflammable, Signet may be used as stores on passenger and pleasure steamers. For brass, copper, aluminum and other metals.

Cat. No.		No. in Case	Weight per Case
201	Half Pints	2 doz.	20 lbs.
202	Pints	1 doz.	18 lbs.
203	Quarts	1 doz.	34 lbs.
205	Gallons	½ doz.	70 lbs.

Russia Cement Co., *Laboratories and Factory:* Gloucester, Mass.

EDLUND PRODUCTS

Tested and Approved 1861 Good Housekeeping Institute Good Housekeeping Magazine

The Edlund line of household products is in constant demand by housewives who appreciate quality items at popular prices. Edlund products are well made, guaranteed to give unfailing satisfaction and are profitable to handle. If your jobber cannot supply you, write to us for samples and prices.

EDLUND TOP-OFF Jar and Bottle Screw Top Opener

Retails 25c.

A simple twist and the top is loose

Instantly loosens stubborn screw covers and caps on mason, preserve and mayonnaise jars, olive and ketchup bottles, etc. Adjusts automatically for any size cap and holds with a wrench-like grip. Sturdy in construction. Jaws and gears of tempered steel. Nothing to get out of order. Packed one dozen in striking display cartons.

Retails 50c.

EDLUND *Junior* Can Opener

New reduced price, opens any can, round, square or oval, large or small. Leaves smooth, safe edges. Strongly and attractively finished. Boxed individually, dozen lots, in display cartons. Assorted colored handles.

EDLUND EGG BEATER

Retails 50c. to $1.00

Easy running, easily cleaned. Gears cannot slip or get out of order. Unusually strong and precision made. Packed individually in cartons.

EDLUND CAN OPENER Wall or Table Style

Retails $1.50

New, improved household size. More compact, more attractive, yet has all the features that have made Edlund can openers the standard of quality in kitchen utensils. Will open any can, any size. Packed in individual boxes in dozen lots. Larger and heavier sizes for hotels, restaurants, institutions, etc.

WALL ATTACHED STYLE

Wall bracket is made in two parts—opener may be removed from wall completely. Also available in table attached style.

EDLUND COMPANY

BURLINGTON VERMONT

Particularly noted for their strength, lightness and durability

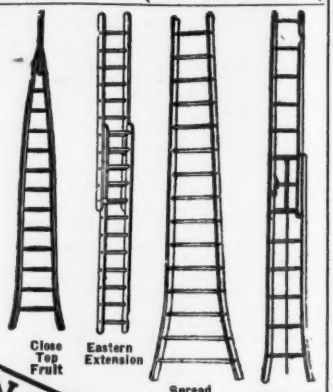
BABCOCK SPRUCE LADDERS

TRADE MARK

BE SURE BE SAFE BUY BABCOCK SPRUCE LADDERS

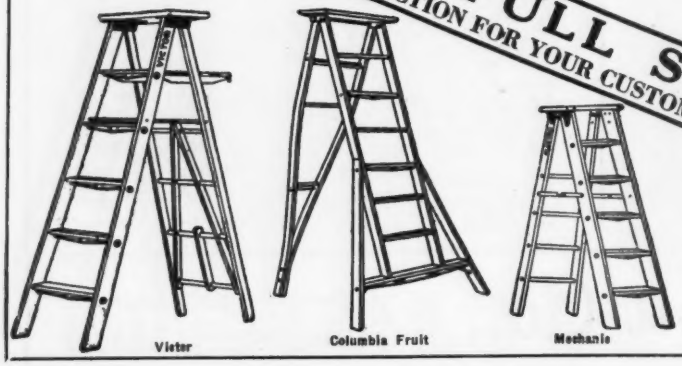
MEN RISK THEIR LIVES ON LADDERS

LADDERS FOR EVERY PURPOSE



Close Top Fruit — Eastern Extension — Spread Bottom Fruit — General Purpose Extension

AIR DRIED FULL STRENGTH IN THIS SAFENESS AND PROTECTION FOR YOUR CUSTOMERS IS WORTHY CONSIDERATION



Victor — Columbia Fruit — Mechanic

Write for our latest price sheet.

W. W. BABCOCK CO.

BATH N. Y.

HEMCO QUALITY DEVICES at POPULAR PRICES.

No. H17
CUBE-TAP

No. H18
CORD CUBE-TAP

No. H20
TWIN-LITE

No. H271
CORD SWITCH

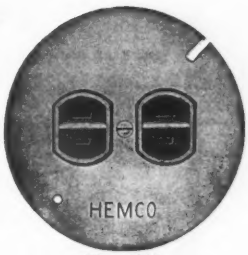
No. HF
HANDLE CAP

No. H9081
SWITCH AND OUTLET

No. H167
OUTLET BOX RECEPTACLE

The enlarged Hemco line now includes over one hundred wiring devices and accessories, for which there is a constant demand for replacements, new construction and improvements.

Here is high quality merchandise at 1932 prices. Hardware dealers can make a profit and give buyers the greatest value by handling the Hemco Line of widely known devices.—Send for Hemco Bulletin No. 7.


No. H442
DUPLEX RECEPTACLE

No. HT10
KEY SOCKET

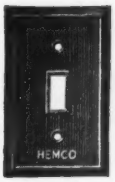
No. HA15
PULL SOCKET

HR0618
ONE OF MANY CORD AND HEATER SETS

No. H21
SURFACE SWITCH

No. H31
3¼" OUTLET BOX SWITCH
BAKELITE COVER

No. H341
SINGLE RECEPTACLE


No. HS31
BAKELITE
FACE PLATE

No. H51
FLUSH TUMBLER
SWITCH

No. H142
DUPLEX
RECEPTACLE

No. HV31
RECEPTACLE
PLATE

No. PYX30
GLASS TOP PLUG FUSE

H.A. 932

BRYANT

BRYANT SUPERIOR WIRING DEVICES

SUPERIOR WIRING DEVICES

Manufactured by THE BRYANT ELECTRIC CO., BRIDGEPORT, CONN.

MANUFACTURERS OF "SUPERIOR WIRING DEVICES" SINCE 1888-MANUFACTURERS OF HEMCO PRODUCTS

BOSTON 140 Federal Street · · · CHICAGO 844 West Adams Street · · · NEW YORK 60 East 42nd Street · · · SAN FRANCISCO 149 New Montgomery Street

If it's Housefurnishings-NESCO has it!

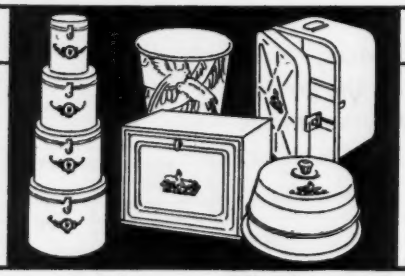
« « Nesco Enameled Ware » »

EVERYTHING IN HOUSEHOLD ENAMELED WARES FEATURING
ROYAL WHITE ENAMELED WARE ROYAL IVORY ENAMELED WARE
ROYAL GRANITE ENAMELED WARE

Latest shapes and designs—complete lines in several colors to sell at popular prices with a good profit margin. Approved by the GOOD HOUSEKEEPING INSTITUTE—the ROYAL ENAMELED WARE lines will satisfy the most discriminating customer.

« « « Nesco Tin Ware » » »

A wide variety covering all staple sellers in tinware—for household or dairy use. You will find everything you need from Ladles to Wash Boilers. NESCO TINWARE is available in heavy charcoal tin plate as well as coke tin plate—a size and kind for every price requirement.



Japanned & Lithographed Ware

Outstanding creations in ultra modern kitchen equipment are the NESCO COLONIAL AND GARDEN GIRL Japanned ware lines. You will find in these two lines as well as the Baked Lithograph finished line a complete listing of

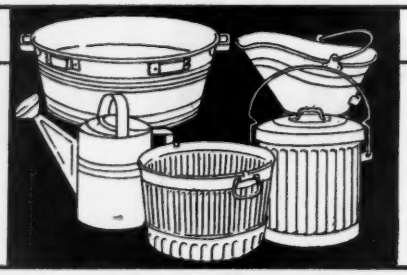
CANISTERS	BREAD BOXES	WASTE BASKETS
CAKE COVERS	COOKY BOXES	SERVING TRAYS
TOAST COVERS	DUST PANS	FLOUR BOXES
INDOOR GARBAGE CANS	INDOOR SPRINKLERS	WATER COOLERS
LUNCH BOXES	MATCH SAFES	CUSPIDORS
RADIATOR COVERS	AIR MOISTENERS	FLUE STOPS

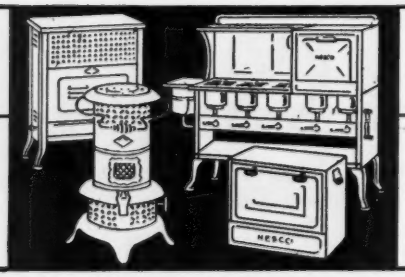
« « Nesco Galvanized Ware » »

The new complete line that is a sales winner—the NESCO COPPER BEARING GALVANIZED WARE line. . . . Resists Rust and Corrosion! The line includes:

STEEL BASKETS	PAILS	RUBBISH BURNERS
WASH BOILERS	DRY MEASURES	SPRINKLERS
OIL CANS	AUTOMOBILE FUNNELS	WASH TUBS
RADIATOR FILLING CANS	UTILITY MEASURES	FOOT BATHS
COAL HODS	GARBAGE AND ASH CANS	

MORE SERVICE .. LASTS LONGER





Nesco Kerosene and Gasoline « « « Stoves and Ranges » » »

Complete line of both KEROSENE STOVES and RANGES as well as NESCO SAFTEMATIC GASOLINE STOVES and RANGES—anything from a two burner plate to a Porcelain Enameled Range. Nesco has a full line of Oil Heaters—Gasoline Saftematic Heaters—Ovens and Water Heaters.

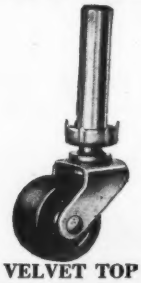
Write for a No. 55 NESCO catalog illustrating household utensils—or catalog on Kerosene and Gasoline Stoves and Ranges. Prices will be sent promptly upon request with catalog.

If it's housefurnishings, NESCO has it!

NATIONAL ENAMELING & STAMPING CO., Inc.
270 N. TWELFTH STREET .. MILWAUKEE, WISCONSIN

Bassick Casters

THE NATIONALLY ADVERTISED LINE OF CASTERS AND FLOOR PROTECTION PRODUCTS.



DIAMOND VELVET TOP BEARING

The highest grade, most serviceable furniture caster manufactured. Recommended for every dealers stock with Atlasite composition wheels.
Sizes 3, 5 and 7.
Brass Plated—Packed 1 set per box.

STEEL GEM BALL BEARING—GRIPNECK

A large roller race with steel disc roller bearings gives great strength and easy swivelling.
A high grade type of caster which has an established popularity. Recommended for retail stock in Brass Plated finish—Atlasite wheels—sizes 5 to 7. Packed 1 set per box.

STEEL GEM—ROLLER BEARING SQUARE PLATE

The companion caster in plate construction to the gripneck type illustrated above. An extremely strong rugged caster.
Plain steel or brass plated, popular types of wheels.
Packed 1 set per box.

UNIVERSAL-STANDARD BALL BEARING—GRIPNECK

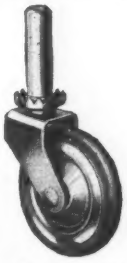
The largest selling line of ball bearing gripneck casters in the world. Strong, efficient, and low in cost. Sizes 3, 5 and 7. Furnished with all popular types of wheels. Plain steel, brass or chromium finish. Packed six sets per box.

METAL BED BALL BEARING—SPRING ADAPTERS

The popular line of ball bearing metal bed casters. Furnished with all popular types of wheels, plain steel or brass finish with springs to fit all standard sizes of metal bed posts.

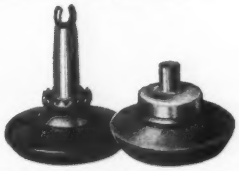
"SWIVLO" BALL BEARING—OBLONG PLATE

Steel caster, with all types of wheels, strong and efficient. Economically priced—a popular fast selling type of caster.
Sizes 3, 5 and 7, plain steel or brass finish. Packed six sets per box.



CRIB OR TEA WAGON TOP BEARING

Rubber tired wheels—nickel plated finish. Top bearing — "wizard-swivel" socket construction provides easy swivelling.
A popular fast selling type of caster. Recommended for retail stock with 2" and 3" wheels.
Packed one set per box.



NOMAR FURNITURE RESTS "DRIVE-ON" AND SOCKET TYPES

There is an increasing demand for these articles which are easy to apply, neat in appearance and the most satisfactory product ever developed for the protection of floors.
Three sizes each type recommended for stock.
Packed 1 set per box.

RUBBER CUSHION SLIDE

An insulated slide of highest quality with solid hardened steel base. A popular item for use on chairs and furniture on hard surface floors. Slides easily and eliminates all noise.
2 sizes—packed six sets per box.

CARRIED IN STOCK BY ALL LEADING JOBBERS.

The products illustrated above are standard types recommended for retail hardware stock. They are popular fast moving items which will answer 95% of the dealers requirements.

For Dealers Catalog and Complete Information Write to

THE BASSICK COMPANY, BRIDGEPORT, CONNECTICUT

this

IS THE KIND OF WINDOW GLASS YOU CAN SELL

THIS is one of the most exacting tests of window glass that can be made . . . photographing, through it, a building which has many clearly defined vertical lines. L·O·F Quality Glass is so flat and of such exceptionally high quality that the detail of those lines is remarkably clear and sharp even to the keenly critical eye of the camera. There is no difference in the way they appear through the glass or above it.

• • •

Hardware stores that feature and display Libbey·Owens·Ford Quality Glass are building a profitable, consistent business in glass replacements. Do not neglect this opportunity to add to your income. Write us for any information you may desire on how to carry a balanced stock of window glass that will assure profitable turnover.

LIBBEY·OWENS·FORD
QUALITY GLASS

LIBBEY·OWENS·FORD GLASS COMPANY, TOLEDO, O.
Manufacturers of Highest Quality Flat Drawn Window Glass, Polished Plate Glass and Safety Glass; also distributors of Figured and Wire Glass manufactured by the Blue Ridge Glass Corporation of Kingsport, Tennessee.

CARLTON *Enduro Ware*

has made the merchandising of Stainless Steel Ware

PRACTICAL AND PROFITABLE

The first piece of Carlton Stainless Steel Ware in the kitchen quickly creates the desire for complete Carlton Equipment.

The consuming public is **Sold** on the idea of Stainless Steel in the kitchen . . . through the use of stainless steel cutlery . . . through knowledge of its wide use in the automobile and other industries.

Carlton Stainless Steel Ware has brought prices within the reach of the vast majority of homes, because advanced manufacturing methods have materially reduced production costs.

Carlton Ware is designed for beauty . . . economy . . . efficiency. It cannot chip or peel, because it is solid, bright metal clear through. Will not rust or tarnish. Resistant to fruit and food acids. Its glowing surface lasts indefinitely. It's the **Perfect Kitchen Ware.**

Made of **Enduro** . . . the perfected Stainless Steel, produced by the Republic Steel Corporation, whose national advertising has been constantly creating demand for utensils made of Enduro. Carlton Utensils are now being featured in such publications as Saturday Evening Post, Time and Fortune Magazine.

Carlton Stainless Steel Ware will create an active and profitable department in your store. Write now for prices . . . and description of the complete line.

THE CARROLLTON METAL PRODUCTS CO., *Carrollton, Ohio*

ARROW

Guaranteed Cord Sets

Made with

Kant Kink Elasticord*
Clip Fastening Heater Plugs and Unbreakable Rubber Cap

Cord, Cap, Plug — Three Distinct Improvements

Attractive Counter Display in Colors

These Cord Sets are Guaranteed 1 year. They are packed in an attractive Counter Display, 12 Sets to a display. A distinct feature is the Kant Kink Elasticord which will not lose its elasticity. There are no Springs in this cord. Everlasting elastic is woven with the wire which will retain the original loops indefinitely.

Our highest quality Clip Fastening Heater Plug, with or without switch, is used together with unbreakable Pull Handle Rubber Cap.

No. 103

No. 102 Switchless. List $1.00, Pacific Coast $1.10. No. 103 with Switch. List $1.25, Pacific Coast $1.35.

May be assorted 6 of each in Display Package.

*Elasticord is a product and trade mark of United Elastic Corp., Easthampton, Mass.

Clock Hanger Outlet

Provides mechanical support and electrical connection for electric clocks. Receptacle is recessed for the plug so the clock hangs flat on the wall with all wiring concealed.

Complete with Plate.....List $2.00

No. 7707

Angle Canopy Pull Switch with Chain Link

No. 7746-AH

Used between links of any chain fixture. Pull opening is at a downward angle for easy, steady pull. Eliminates jiggling of fixtures. Complete line available. Information on request.

All Bakelite.....List Price, $1.50

Surface Radio Outlet

Aerial, Ground and Power Connections

No. 2178

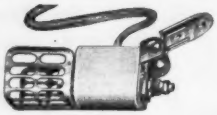
Removes the nuisance of straggling wires around radio sets. Made of Bakelite. Easily installed on baseboard.

Complete with Plug Cap.....List $1.60

Refrigerator Lighting Unit

Has automatic door switch which lights up the contents of box when door is open. For boxes bought before this development and new low priced boxes not so equipped.

List Price $2.74



No. 6839

Electrical Wiring Devices, Heater Cord Sets

Bakelite Tap, Sockets and Heater Plugs

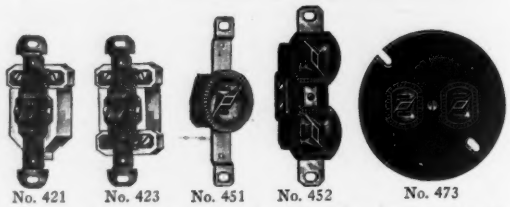
No. 7772 No. 7773 No. 7774 No. 7762 No. 7760

These attractive Bakelite Conveniences are needed in every home. Our complete listing includes all the popular numbers.

Cat. No.	Description	List Price
7772	Cube Tap with plug prongs	$0.17
7778	Cube Tap without prongs for Extensions	.17
7773	2-Way Socket	.20
7774	Current Tap	.22
7762	Heater Plug with switch	.44
7760	Heater Plug without switch	.18

Heater Plugs are Screwless Type with Clip Fastenings

Switches and Receptacles



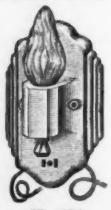
No. 421 No. 423 No. 451 No. 452 No. 473

A competitive priced line for jobs where cost is the determining factor.

Cat. No.	Description	Cat. No.	Description
421	S.P. Switch	452	Duplex Recept.
423	3-Way Switch	473	Duplex Recept. 3¼"
451	Single Recept.	471	Single Recept. 3¼"

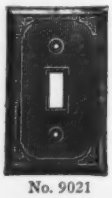
Porcelain Wall Bracket

Competitively priced. Has turn knob socket. With Convenience Outlet, No. 270. Without Convenience Outlet, No. 271. Supplied in White, Cream and Green Glaze. Has wire leads, mounting screws and attachments for outlet box or wall case. Lamp not supplied.



No. 270

Bakelite Wall Plates



No. 9021

These plates have an attractive border design and ribbed surface. They will not tarnish and are moisture proof.

Cat. No.	Description	List Price
9021	For Tumbler Switch	$0.30
9040	For Duplex Receptacle	.30
9030	For Single Receptacle	.30

Duplex Receptacles All Bakelite

No. 1916

Flush Unit

Plate and Receptacle are molded in One Piece Bakelite. Has automatic plug finding grooves.

Surface

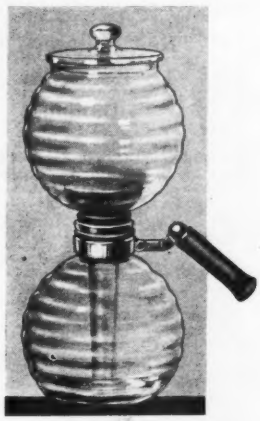
Easily wired unit for extra outlets. May be installed on baseboards or any convenient surface.

No. 1917

ARROW-HART & HEGEMAN ELECTRIC COMPANY
HARTFORD—CONN.

Write for complete catalog

Fast Moving—Good Profit Items by McKEE



The specials described and illustrated on this page are thoroughly tested "Best Sellers." They are priced to appeal as extra values based on present day merchandising. Each item is capable of selling in volume at a handsome profit. Get in touch with your Jobber for these specials, or if he is unable to supply you with them as yet write to us direct.

BRAND NEW VACUUM TYPE COFFEE MAKER to retail at $4.00

Nothing to compare with it in low price—the nearest to it retails at nearly twice the price. The McKee Vacuum Type Coffee Maker has not a single piece of metal to contaminate the coffee. At Last! you can offer the "perfect" Coffee Maker at an amazing low price.

AS A COFFEE MAKER this cannot be equalled anywhere for the price.

AS A COFFEE SERVER it will add charm and grace to any table.

New Line of Opaque Colored Glass Kitchenware

Consisting of 17 Popular Items

The shaker set illustrated is only one of the seventeen items. The others are: Non-Corrosive Metal Covered Salt Box, 6 piece Food Preserver Set, Salad Tray or Ice Cube Storage Tray, Sunkist Orange Reamer, Four-Piece Kitchen Shaker Set, Three-Piece Mixing Bowls, Three-Piece Refrigerator Set, Covered Utility Coffee Jar, Combination Cake Icing Tray and Cocktail Server, Round Covered Refrigerator Dishes, Covered Butter Box, Four-Piece Lard Set, Grape Fruit Reamer, Four-Piece Refrigerator Stack, Extra Large 11½" Diameter Mixing Bowl, Graduated Quart Batter Jug, Food Storage Refrigerator Set.

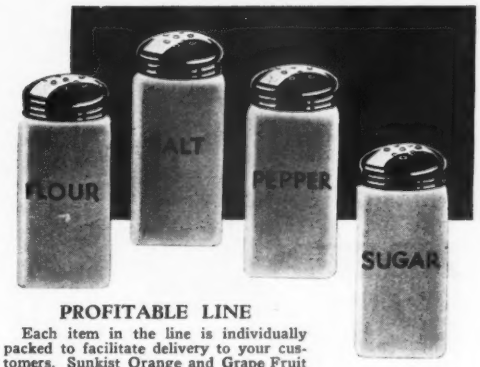
EYE APPEAL

Wherever this line is displayed it will attract the eye of the woman who is looking for something useful and good looking. Make your display with the idea in mind of capitalizing on this quality.

COLOR APPEAL

Women are drawn right to this sparkling, sanitary kitchen ware by its beautiful pastel color which harmonizes with any kitchen.

Available in Seville Yellow (Ivory) Skokie Green (Jade), Chalaine Blue (Sky).



PROFITABLE LINE

Each item in the line is individually packed to facilitate delivery to your customers. Sunkist Orange and Grape Fruit Reamers packed one dozen to carton.

U. S. Pat. No. 77,725 Name Reg. No. 252,589

Bottoms-Up Cocktail Tumbler

Brand new strong appeal—artistic novelty—and utility combine in this new fast selling item. It creates and stimulates a desire to own at any cost, yet the price is only $1.00 retail. 4 glasses to a set. Packed eighteen four glass display cartons as illustrated here, to a shipping carton; total 72 glasses (minimum shipment). Your margin 50%. Assorted colors SKOKIE GREEN: CREAM IVORY: CRYSTAL, SATIN FINISHED. Nationally advertised in American Weekly, College Humor, etc. Order yours today to supply this demand.

Safety Razor Hone

A Hit with every man. A real he-man's necessity. Saves many times its cost in blades each year. Special glass composition, no oil, water or other dressing necessary. No intricate mechanism to get out of order, no metal parts to rust, no cleaning necessary. Quick and efficient. Retails at 20c. Your margin over 50%. At least 100 extra shaves from all types of Safety Razor Blades. Individually Boxed, One Dozen to Display carton. Minimum shipment 8 doz. to a shipping container.

All Made by the Manufacturers of the Celebrated "GLASBAKE" Heat Resisting Ovenware

McKEE GLASS CO. 1032 BULLET AVE. (*Established* 1853) **JEANNETTE, PA.**

STOVER MFG. & ENGINE CO., FREEPORT, ILL.

HOUSE FURNISHINGS

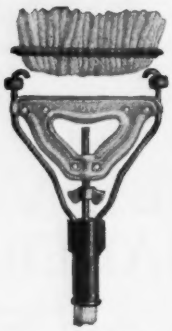
No. 77

Mop Stick

Unbreakable steel head. Full standard size for home use. All metal parts coppered. Straight handles, waxed and polished. One dozen in a bundle. We make a complete line of Household and Janitor sizes, also mop and brush holders.

No. 70 Mop Stick

Heavy screw bolt type Janitor Mop Stick. Screw bolt and wing nut cadmium plated. Handles straight, polished and lacquered.



No. 107 Mop Stick

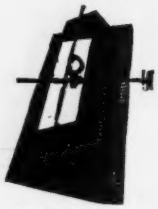
Heavy screw bolt type Janitor Mop Stick with new improved features. Separable section of bail permits easy removing of used mop head, or insertion of a new head. Rubber bumpers prevent marring of mop boards or furniture.

RED HEAD

Mop Sticks

Brightly colored and rust-proof. **Unusual quality, sales and display value.** Household size. Non-crooking handles, lacquered two coat walnut finish. One dozen in a bundle.

Improved Fireplace Dome Dampers



Easily installed—wide flanges on front and sides allow great freedom in arranging angle of side walls. 9 sizes.

Fireplace Sets

Various patterns to match andirons. With Brush if desired.

6 styles. Black sets of iron and steel. Brass sets, solid cast brass parts—bright finish.

No. 140

Hammered Andirons

Several **sizes and patterns in** either Old Brass, Swedish or Dead Black finish. Send for our special Fireplace Fixture Catalog showing full line of Hammered, Colonial, and Mission design Andirons, Fire Baskets, and Fire Sets. Also Fireplace Dome Dampers, Ash Dumps, Clean-out Doors and Foundation Coal Chutes.

Hammered Fire Baskets

Designs and finishes to match all Andirons. Sizes 18 in. to 36 in.

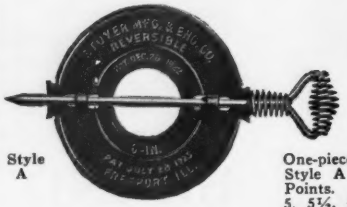
Ask for Special Fireplace Fixture Catalog showing ten beautiful designs.

No. 309 Home Comfort Multiple Service Electric Ventilator

A high grade Electric Ventilator, economical in cost and operation.

Reversible for exhaust or intake purposes. Guaranteed motor, sliding panel fits windows of various widths, also permits closing of window.

STOVE ACCESSORIES



Style A

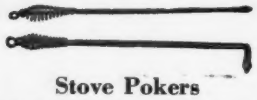
Red Spindle Reversible Dampers

One-piece Steel Spindle Positive Lock Style A Wire Grip Sharp Reamer Points. Round Blades in 3, 4, 4½, 5, 5½, 6, 7, 8, 9, 10 and 12 inch sizes. Oval Blades in 5, 5½, 6, 7 and 8 inch sizes.

Red Spindle Reversible Dampers

Style B — Wood Grip Hammer Proof. Same sizes and construction as Style A, except grip. We make a full line of DAMPER CLIPS.

Style B



Stove Pokers

Cool Handle, Nickel Plated, ¼, 9/32, 5/16, and ⅜ inch diameter, 20 inch to 30 inch long. Also Cool Handle Fire Shovels and Heavy Furnace Pokers.

Stove Lifters

Style 66 is illustrated. Sixteen patterns in all, including Coil Wire Loop Handles and Combination Shakers and Lifters.

BUILDERS HARDWARE

No. 307 Guide Pulley

Nos. 201-206 Clothes Line Pulleys

Tackle Pulleys

Solid Eye, Single or Double Wheel, Japanned or Galvanized. ½ to 2½ inches.

Swivel Eye, Single or Double Wheel, Japanned or Galvanized. ½ to 2 inches.

Door Prop

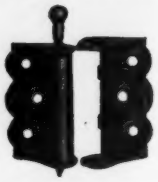
A fresh DISPLAY CARTON comes with EVERY half dozen pair.

Sells on sight at 50c. a pair. Operated by the foot alone. Strong, simple construction.

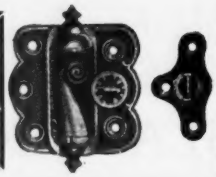
Slip-A-Part Detachable Steel Screen Door Hinges

No disconnected parts to be lost. "They swing on bearings."

Also a complete line of Standard Non-Detachable Steel Spring Hinges, Open or Covered Spring, Japanned or Plated.



Send for Complete Catalog



No. 16 Detachable Screen Door Hinge Hold-Back Style, Japanned

One half dozen pair in a box without screws or in sets with trimmings. Also FIVE other styles Cast Hinges, including Double Acting.

U.S. ROASTERS

Oval Design
Self Basting Feature
Porcelain Enameled

4 Sizes 3 Colors

Retail Prices
Slightly Higher West of Rockies

	12 inch	14 inch	15 inch	18 inch
Blue Speckled	69¢	89¢	$1.19	$1.39
Green	98¢	$1.19	$1.49	$1.89
Ivory	$1.19	$1.39	$1.79	$1.98

Good Housekeeping Institute 2628

Trial Package Assortment

Here is an ideal assortment of all sizes and all colors.

Consists of		Sells for
1 Only	12" Blue Speckled	$ .69
1 Only	14" Blue Speckled	.89
1 Only	15" Blue Speckled	1.19
1 Only	18" Blue Speckled	1.39
1 Only	12" Spray Green	.98
1 Only	14" Spray Green	1.19
1 Only	15" Spray Green	1.49
1 Only	18" Spray Green	1.89
1 Only	12" Ivory	1.19
1 Only	14" Ivory	1.39
1 Only	15" Ivory	1.79
1 Only	18" Ivory	1.98

Dealer Sells for $16.06
Dealer Margin (50% +) 5.56
Dealer Cost $10.50

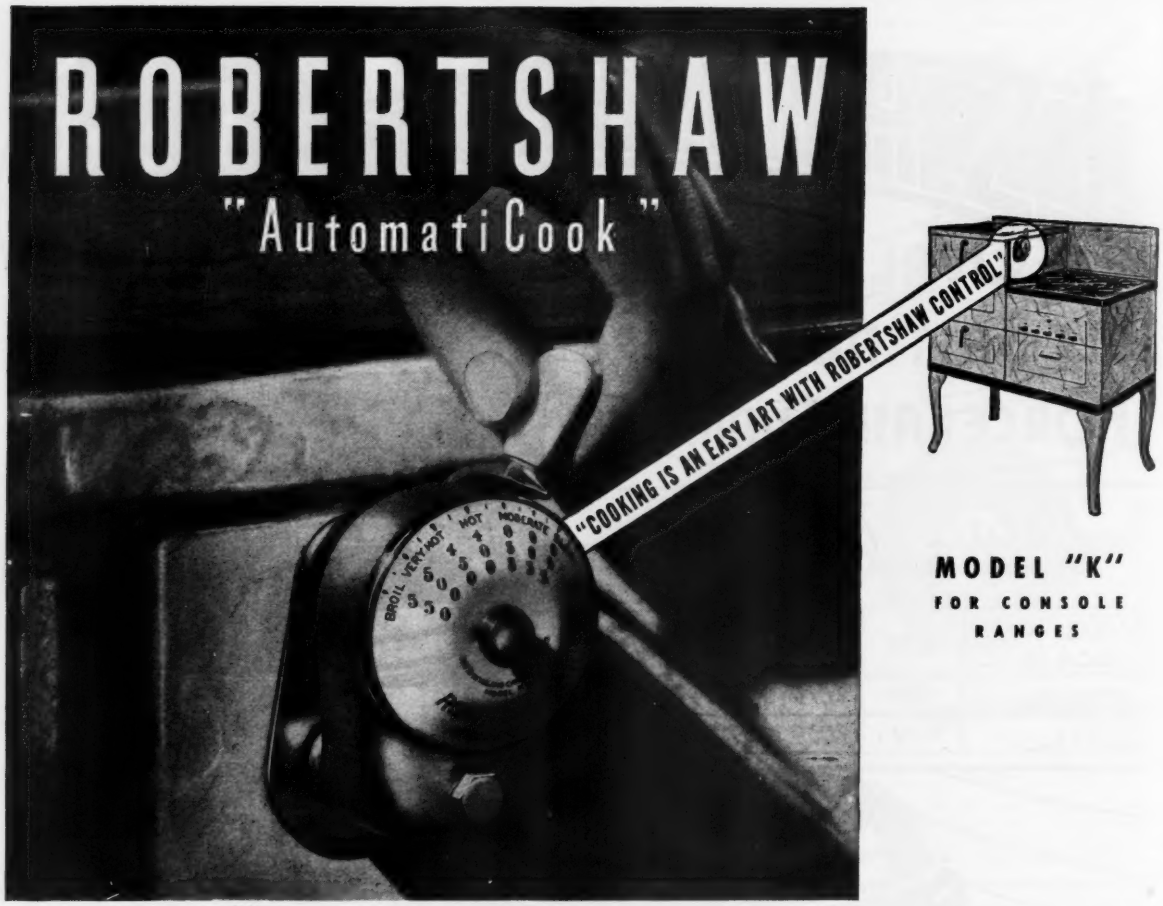
Packed in 2 cartons. Wt. 62 lbs.

ASK YOUR JOBBER

UNITED STATES STAMPING COMPANY

QUALITY ENAMELED WARE

MOUNDSVILLE, WEST VIRGINIA



MODEL "K"
FOR CONSOLE RANGES

The ROBERTSHAW

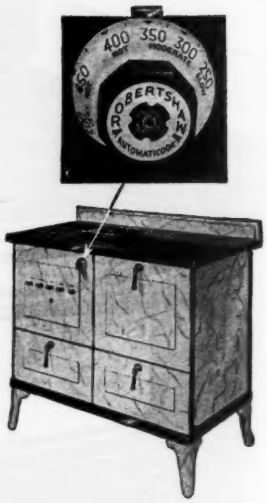
is Your Best Range Salesman . . .

This Fall, you are able to offer your trade the greatest range values in history.

But don't forget that value is a word that means much more than price.

And value . . . in a gas range . . . is a matter of *performance* just as much as appearance . . . which means, above all else, *correct oven control.*

That is why the Robertshaw is such a good salesman for you . . . your customer knows that it assures her receiving the last word in accurate, dependable, trouble-free performance. And that's a BIG point to remember, whenever you order ranges this year.



MODEL "F"
FOR TABLE TOP AND CONSOLE RANGES

Write today for the Robertshaw Lithograph Display . . . a splendid feature for use in window or show room

ROBERTSHAW THERMOSTAT CO
YOUNGWOOD, PA.

The "Acme" BALL BEARING CASTER

For FURNITURE

and

HIGH GRADE TRUNKS

A Ball Not a Wheel

Always Ready to Roll in Any Direction

Knee Pattern No. 730

For Metal Bottom Trunks and Wardrobe Trunks

Size of Ball in Inches	¾
No. 730, Brassed, list per set....	$.75
No. 731, Nickeled, list per set...	.75
No. 732, Galvanized, list per set.	.75

Shipped in Bulk Only

Flush Plate No. 710

Extra Heavy
For Wardrobe Trunks
List per set of Four Casters

Size of Ball in Inches	¾
No. 710 Brassed, per set.....	$.70
No. 711 Nickeled, per set.....	.70
No. 712 Galvanized, per set.....	.70

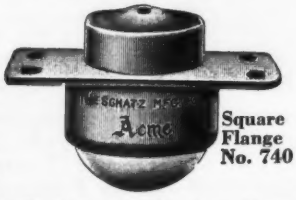
Shipped in Bulk Only.

Counter Sunk No. 720

Extra Heavy
Not so high as No. 710
Used mostly on lighter trunks

Size of Ball in Inches	¾
No. 720 Brassed, list per set....	$.70
No. 721 Nickeled, list per set....	.70
No. 722, Galvanized, list per set	.70

Shipped in Bulk Only



Square Flange No. 740

Ball Bearing Trunk Caster for Sample and Heavy Wardrobe Trunks. Made with wide flange which gives a good bearing surface and prevents sinking into wood.

Size of Ball in Inches	1⅛
No. 740 Brassed, list per set....	$.80
No. 741 Nickeled, list per set....	.80
No. 742 Galvanized, list per set.	.80

Shipped in Bulk Only.

In this caster there is one large surface ball that comes in contact with the floor. It is held in a cup and revolved upon a number of smaller anti-friction balls, which, in turn, move upon a cup-shaped disc of steel. Thus every movement of the large surface ball shifts all of the smaller balls upon the disc and the result is a smooth, free action in any direction.

No possibility of clogging. No amount of weight or pressure will hinder the action. The "Acme" is the ideal caster for furniture—and trunks as well. The balls are alloy steel, the ball race chrome steel well hardened and tempered. All interior parts electro galvanized. Any of the casters shown are procurable in brass, nickel or galvanized finish.

"Acme"

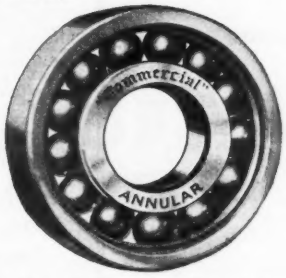
BALL BEARING TRUNK CASTER

For Trunks, Cosy Corner Boxes, Shirt Waist Boxes, Hassocks, etc. Catalog No. 9 describes complete line of Casters. Sent on request.

"Commercial"

ANNULAR BALL BEARINGS AND ROLLERS

For locations requiring inexpensive anti-friction bearings for moderate loads and speeds. Used by thousands of machinery makers. Available in more than 2,000 types and sizes.



Catalog No. 10 gives complete information about all types, load capacities at various speeds, mountings, special types, for special service, etc. Sent on request.

The SCHATZ MFG. CO.

Poughkeepsie ***Caster Division*** **New York**

Counter Sunk Round Plate

List Per Set of Four Casters

Size of Ball in Inches	¾	1	1⅛	1¼
No. 655, Galv.....	$.65	$.70	$.75	$.80
No. 656, Brass....	.65	.70	.75	.80
No. 657, Nickel...	.65	.70	.75	.80

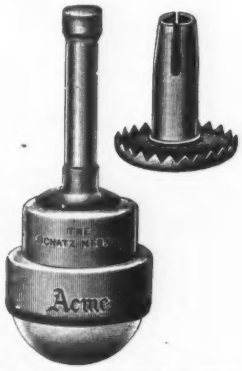
Packed One Set in Box—100 Sets in Case.

Counter Sunk—Oblong Plate

List Per Set of Four Casters

Size of Ball in Inches	¾	1	1⅛
No. 661, Galv.....	$.65	$.70	$.75
No. 662, Brass.....	.65	.70	.75
No. 663, Nickel.....	.65	.70	.75

Packed One Set in Box—100 Sets in Case.



GRIP NECK WITH SOCKET

List Per Set of Four Casters

Size of Ball in Inches	¾	1	1⅛	1¼
No. 658, Brass....	$.70	$.75	$.80	$.85
No. 659, Nickel...	.70	.75	.80	.85
No. 660, Galv.....	.70	.75	.80	.85

Packed One Set in Box—100 Sets in Case.

Plymouth Products

Plymouth Products have been well known to the hardware trade for many years.

We have the facilities for the production of a quality line, some of which we illustrate here.

HOME COBBLER OUTFITS

We are the originator of the "Home Cobbler Outfit." More people are repairing and halfsoling their own shoes today than ever before. A few of the well-known brands: "Economy," "Economical," "Fireside," "Family," "Home," "Combination," "Eclipse," "Guaranteed Perfection," etc. Write for catalog.

SHOE LASTS AND STANDS—"OHIO"

Ohio Lasts and Stands are made with lock bearing, making them strong and rigid. Lasts are the latest style toe, one last especially adapted for ladies' work. An extra strong heel piece is included with this set, making it possible to repair all sizes of heels. Made of special metal, strong and durable. Finished in red and gold.

We make forty styles of Shoe Lasts and stands and Home Cobbler Outfits.

CORN SHELLERS R.-H.

Made of best quality iron, with chilled bearings. All parts fully warranted against breakage or defect. Finished in baked japan, red and gold. Capacity 14 to 16 bushels per hour; weight 15 lbs. Butting and tipping attachment at small additional cost.

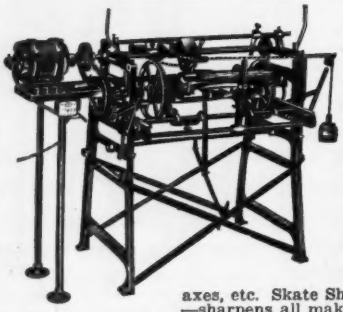
Also makers of "Gem," "Little Giant" and "Never Fail" Corn Shellers.

RAPID GRIST MILLS

For grinding corn, wheat, rye, salt, roots, bark, etc and for making table meal. Made of best quality iron, except shaft, which is steel, and burrs, which are made of steel-alloy metal. Burrs are 4 inches in diameter and will out-last three sets of ordinary cast iron burrs. Weight 25 lbs.

Also makers of "Korn King" Grist Mills in three sizes.

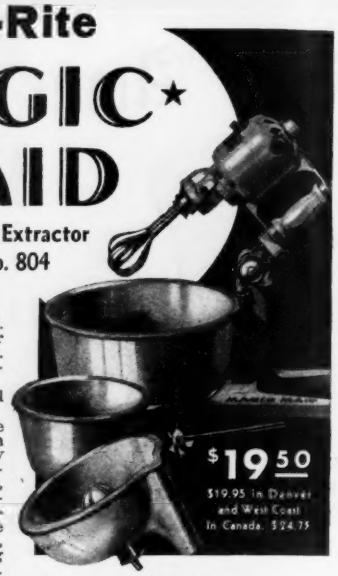
IDEAL LAWN MOWER SHARPENER



The Ideal Lawnmower Sharpener is a simple but wonderful machine that sharpens all makes of Lawnmowers *scientifically—quickly—perfectly;* does the work as nothing else can. Operated by a ⅓ H.P. Motor — attach it to your light socket. Special Grinding Wheel for sharpening grass shears, sickles, scythes, axes, etc. Skate Sharpener Attachment —sharpens all makes of skates. Earns money the year 'round. Write for Catalog.

THE FATE-ROOT-HEATH CO.
1333 HIGH ST., PLYMOUTH, OHIO

STAR-Rite ★MAGIC★ MAID



Mixer—Beater—Juice Extractor
Model C. Cat. No. 804

New model complete kitchen helper.

Tilts back to 3 positions
(1) to drain in bowl.
(2) quick attachment or removal of beaters.
(3) swing-over juice extractor attachment.

Portable — can be used anywhere.

Adjustable—motor can be raised or lowered on support. Heavy duty motor, ball thrust bearings, Universal type, 110,220 voltages, AC-DC. Cast-iron non-tippable base. Three speed switch. Heavy, Jade - green revolving bowls in two sizes. Two, stainless steel, separate and instantly removable batter beaters; also extra long beverage mixer. Extractor equipment, includes heavy glass bowl and porcelain reamer. Complete with 7' black, rubber covered cord and 2 pc. attachment plug. Dimensions, 13½" high, 12" long, 6" wide. Weight packed in carton, 25½ lbs. Shipped in wooden boxes in units of 6 and 12.

STAR-Rite FEATHERWEIGHT Automatic Iron

Cat. No. 707

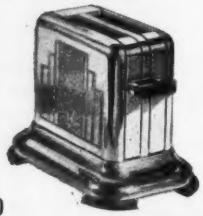
Retail $6.50

Weight—Less than 4 lbs., *but is full size.*
Heating variation—from 250° F. to 550° F.
Fast heating—Attains high heat in 3½ minutes.
Automatic thermostatic control.
Steady, even heat at any temperature — Irons quickly without pressure.
Perfect balance—No weighted tip or heel drag.
"Chromel A" ribbon-wound, flat mica element.
Slender pointed tip—Wrinkle-proof heel.
Air cooled heel rest.
Finger-tip adjustable automatic lever.
Chrome finish—Rust and tarnish-proof.
Grooved, duo-tone enamel, extra long low slung handle.
Heavy Rockbestos, detachable, Underwriters approved cord, fitted with solid rubber, unbreakable attachment plug and improved cord conection.
115 volts AC only.
(Also available in 230 voltage)
Watts—1000.
Shipping weight—6 lbs.
Standard carton—6, 33 lbs.
STAR-Rite Automatic 6 lb. 660 watt iron Cat. No. 706 $5.95.

STAR-Rite Automatic Toaster

Cat. No. 529

Retail $11.50



Two slice, automatic control, oven type. Fast toasting.
Chrome finish—Bakelite handles, knobs and feet.
Engraved panels of modernistic design.
Heating element, "Chromel" ribbon wound on mica.
Equipped with time clock which opens a switch at the time the bread is properly toasted.
Height—7½ in.
Length—9¼ in.
Width at top, 4 in., at base, 6½ in. 5 ft. two-tone cord, with 2-piece attachment and miniature plug.
Voltage—110, AC only.
Watts—880.
Shipping weight—6 lbs.
Standard carton—6, 42 lbs.

Other STAR-Rite Electrical Products

Electrical Urn Sets	Electric Ranges
Improved Hot Plates	Colonial Waffle Iron
Electric Fans	Electric Toasters
Household Motors	Coffee Percolators
Heat Convector	X-Ylarator—Vibrators
Carbon Arc Lamp	Hairdressing Sets
Vim-Ray Health Lamp	Hair Dryers
Heating Pads	Hair Curlers

Electric Irons—Automatic and Non-Automatic

THE FITZGERALD MANUFACTURING CO.
Torrington, Connecticut

Fill Every Can Demand

from these 3 lines

Witt Ash Can

Witt Garbage Pail

WITT Cans

are made in 5 popular sizes—from 12¼ to 33 gallon capacity.

WITT Pails

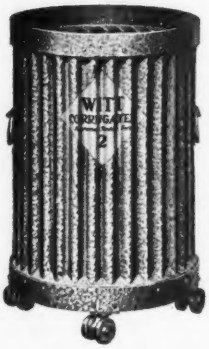
are made in 4 sizes—from 5 to 10 gallon capacity.

WITT, WICO and BRIGHTON Cans and Pails—affording a wide variety of styles and sizes in every price range—enable you to meet *every* can requirement of *every* customer. You also profit from the advantage that results when you order all of your cans from one source of supply.

① WITT CANS AND PAILS

for those customers who want the best that money can buy. The use of highest quality special-analysis steel; an improved design of corrugation; the WITT process of hand hot-dip galvanizing and other exclusive advantages make these cans stronger, safer and more durable than all others—guaranteed to last from 3 to 5 times longer than ordinary cans. Tests at the Pittsburgh Testing Laboratory definitely proved WITT Cans to be from 50 to 400 per cent stronger than other leading makes.

The complete WITT Line includes ash, garbage, roller, hoisting, hooded, underground, oily waste and special cans and pails.



WITT Roller Cans

Ideal for storing bulk supplies of foods, liquids, small machine parts, etc. Made in three sizes—from 20 to 33 gallon capacity. WITT Hooded and Hoisting Cans are made in same sizes.

② WICO CANS AND PAILS

Customers who want good quality heavy Cans and Pails at a competitive price are assured this combination in the WICO Line. An outstanding value in its class.

WITT Oily Waste Cans

Made with either foot or hand operated covers. Seven sizes—from 5 to 30½ gallon capacity.

WITT Underground Can

The only *all* hot-dip galvanized underground can on the market. Guaranteed for ten years. Made in 5 sizes—from 5 to 20 gallon capacity.

③ BRIGHTON CANS AND PAILS

Of medium weight, the BRIGHTON Line is a leader where price is a primary consideration. Ideal for the special sale.

Ask your jobber—or write for complete details, catalog and prices.

THE WITT CORNICE COMPANY

2114 Winchell Avenue Cincinnati, Ohio

LOOK!

Nationally Advertised

National magazine advertising and forceful display material helps to move Justrite merchandise *off your counter* at a good profit to you! Stock up with Justrite and enjoy steady, profitable sales.

Famous Push-Clip . . . Quick Seller!

Year 'round seller. Fast turnover. Sells to every home—keeps lamps, radio — *any* wires off the floor. Millions sold! More millions will be sold—get your profit-share!

Comes 3 doz. pkgs. mounted on handsome 4 color counter Display Board—6 pkgs. each. Ivory, White, Old Gold, Dark Red, Brown and Green. SET OF 8 in pkg. retails for 10c.

Electric Lantern No. 97
Big Market—"All Around Use"

Here's an item you'll easily sell to farmers, sportsmen, Boy Scouts, campers, anyone. Burns a week. 5 hours a night for about 1c per hour. Operates on 2, 4 or 6 cells or batteries. Carries 3¾" non-focusing lens.

Uses 2½ volt bulb. Carries extra emergency bulb. Size: Case 5¼" high, 4½" wide. Positive action switch. Retails for only $2 less batteries.

Headlight and Lantern Combination No. 99

General utility combination permits changing from electric headlight to electric lantern in less than 10 seconds! Throws beam of light ¼ mile. Guarantees longer lighting hours at *half* the cost of ordinary flashlights, lanterns! Operates on 2, 4 or 6 standard unit cells. Uses standard 2¼ volt Mazda bulb. *Extra* 2½ volt bulb included. Positive action switch. This unique *combination* principle tremendously appealing to all your customers. The price puts it within reach of all—and allows a good margin of profit. Combination retails for only $4.

Soldering Iron and Blow Torch —All In One!

Big seller. Efficient, Dependable, Safe! Has place in every customer's tool kit! Burns gasoline. Has Regulating Valve. Used as blow-torch or as soldering iron! Packed complete with salammoniac and solder, ready to use. Indispensable around the home! No. 29 retails for $3.50 each.

No. 29

Sanitary Waste Receptacle Sells to Every Home Owner!

Justrite's foot-operated waste receptacle is ideal for kitchen and bathroom use. Sanitary. Waterproof. Portable. Quickly emptied 3 gallon retails at $3.00—6 gallon at $3.50—8 gallon at $4.00. Justrite Removable Paper Bags can be had for use with this all-round purpose waste receptacle.

Write today for discounts! We also manufacture carbide lamps for hunters, miners, trappers, fishermen, etc. Information on our *complete line* will be sent you.

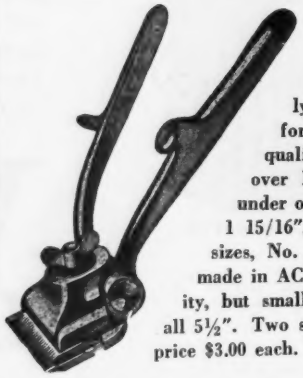
Justrite
TRADE MARK

JUSTRITE MANUFACTURING COMPANY
2073-77 SOUTHPORT AVE., CHICAGO, ILL.

Allover Quality Clippers

Hair Clippers
for Barbers and Personal Use . . .

A complete line of Quality Hair Clippers that sell well, keep customers satisfied and return a good profit. All our products carry an absolute guarantee.



ACE

A nationally known moderately priced hair clipper. Noted for sturdiness and good cutting quality. Patterned after the Allover Model. Will last a lifetime under ordinary use. Width of blades, 1 15/16", length over all 6¾". Five sizes, No. 1, ½, 0, 00, and 000. Also made in ACE JUNIOR Model, same quality, but smaller—blades 1½", length over all 5½". Two sizes No. 00 and 000. Ace list price $3.00 each. Ace Jr. list price $2.50 each.

BELLE CITY
Hand Clipper

A standard full size clipper, well balanced, good cutter and very popular. Material same high quality as used in our high priced clippers. Width of blades, 1 15/16", length over all 6¾". Six sizes, No. 1, ½, 0, 00, 000 and 0000. List price, $2.75 each. All parts interchangeable.

EXCEL
Side Coil Spring Pattern

A good cutting, satisfactory clipper. Tension cap cast solid with handle. Blades are high quality in every respect and grooved same as any of the higher priced clippers. Width of blades, 1⅜", length over all 5½". Three sizes, No. 00, 000 0000. List price, $2.00 each.

DANDY

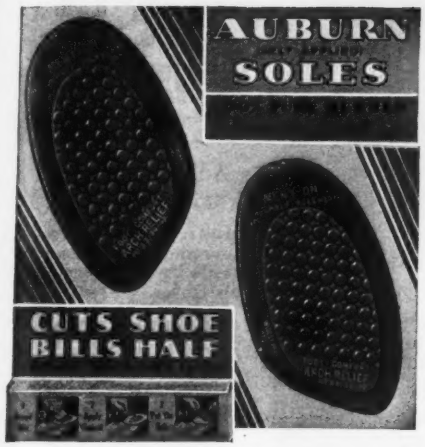
A dandy clipper for home use. Low priced. Tension cap cast solid to handle. Torsion type spring mounted on stud. Well balanced, nicely finished and has good cutting blades. Lower blade grooved. Width of blades 1⅜", over all length 5". Three sizes, 00, 000 and 0000. List price $1.25 each.

Send for Complete Catalog and Prices

ALLOVER MFG. CO., Racine, Wis.

BIG PROFITS

QUICK TURNOVER!



THAT'S the story of AUBURN QUALITY SHOE REPAIR ITEMS. More people are interested in the money saving of Home Shoe Repair Items than ever before. The AUBURN LINE is designed to meet this demand as every item is supplied complete and ready for easy application at home. Cash in on this ECONOMY demand by featuring the AUBURN LINE,—*each item is a proven repeat seller.*

AUBURN SUPER SOLES

The Best Cement Applied Sole on the Market

An improved C'MENT-ON, distinctly new and different. The only sole made of 100% New Rubber. The Pure Rubber gives light weight with increased durability,—*treble the wear of ordinary composition soles.* Finished with patent fabric backing with molded arch support which, with the soft cushion of pure rubber, makes these SUPER SOLES the superlative in shoe comfort. Waterproof and Non-Slip. Featured either on new, attractive, self-selling card complete with roughener and JUMBO tube of cement, or in individual boxes if desired. Supplied in full range of five sizes in two colors, NATURAL PURE RUBBER COLOR, a color which emphasizes the Pure Rubber Quality,—also Non-Marking Black,—*the one black sole which will not mark floors.* A QUALITY 20c.-25c. RETAILER with a BIG PROFIT MARGIN. Packed one dozen of a size to container—Three dozen to shipping carton.

AUBURN TWO-LIFE HEELS

Companion Heel for our SUPER SOLES. New cushion comfort with treble wear. Each pair stapled to self-selling card. Two colors, Natural Pure Rubber Color —Non-Marking Black, full range of sizes.

SUPER ARCO Nail-On TAPS

Full 10½ Iron Thickness

A Super Tap equal to best grade on market. Has new feature of cement receptive back which permits both nailing and cementing, preventing center bulging and spreading. Complete with cement and nails. WE ALSO FEATURE A POPULAR PRICED TAP IN OUR BIG VALUE TYPE—Full 10½ iron thickness.

HEEL SAVERS

New companion item for cement applied soles. Made of 100% New Rubber. Easily applied with cement. Everything complete on self-selling card. Quickly renews worn heels. Packed one dozen of a size, to container (MEN'S or WOMEN'S), six dozen to shipping carton.

AUBURN DOUBLE STRENGTH CEMENT

Large JUMBO size tube same as supplied with SUPER SOLES. For applying soles, taps and general household uses.

NU-SOLES

The best value Cement Applied Half Sole for dealers needing a cheap sole to meet competition. Each pair mounted on self-selling card complete with cement and roughener. Supplied in five sizes, black only. Special Auburn patents assure best possible holding power for satisfactory wear. A popular 10c. retailer.

The Auburn Line is featured thru Select Distributors
Write for address of Nearest Distributor

Auburn Rubber Corporation

AUBURN, INDIANA

ORIGINATORS AND LARGEST MANUFACTURERS OF CEMENT APPLIED SOLES

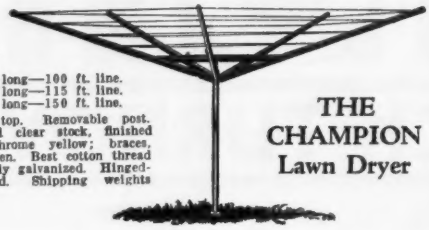
Hill Clothes Dryers

for lawn, balcony or roof

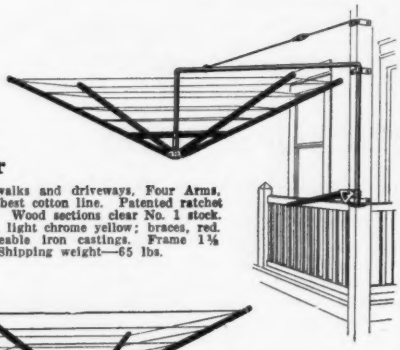
Made in Three Sizes

No. 1—4 arms 6 ft. long—100 ft. line.
No. 2—5 arms 6 ft. long—115 ft. line.
No. 3—5 arms 7 ft. long—150 ft. line.

Removable folding top. Removable post. Wood portion No. 1 clear stock, finished two coats—arms, chrome yellow; braces, red; post, grass green. Best cotton thread line. Castings heavily galvanized. Hinged-top socket included. Shipping weights 30 to 45 lbs.

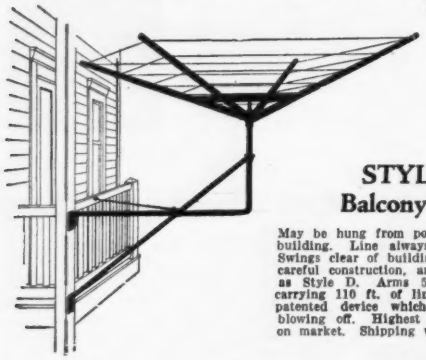


THE CHAMPION Lawn Dryer



STYLE D Balcony Dryer

Designed for use over walks and driveways. Four Arms, 5 ft. 4 in. long, 110 ft. best cotton line. Patented ratchet for swinging clothes reel. Wood sections clear No. 1 stock. Painted two coats—arms, light chrome yellow; braces, red. Heavily galvanized malleable iron castings. Frame 1⅛ steel rod; dark green. Shipping weight—65 lbs.



STYLE H Balcony Dryer

May be hung from porch, or from side of building. Line always within easy reach. Swings clear of building or balcony. Same careful construction, and attractive coloring as Style D. Arms 5 ft. 6 inches long, carrying 110 ft. of line, locked to post by patented device which prevents reel from blowing off. Highest grade balcony dryer on market. Shipping weight, 64 lbs.

Made in Two Sizes

No. 1—four arms—6 ft. long—100 ft. line—60 lbs.
No. 2—five arms—6 ft. long—110 ft. line—65 lbs.

Indispensable for use on apartment house roofs, to which it may be securely locked. Fits any slope of roof. Same reel as used on *Champion Model*, removable when desired; folds up compactly, but cannot blow off. Attractively finished; strong; light in weight.

Hill Roof Dryer

The Atlas Clothes Dryer, made in three sizes, offers a slightly different arrangement of arm lengths, carrying from 100 to 150 ft. of line. Comes with wood or steel post. Weight from 29 to 35 pounds.

Illustrated descriptive booklet on request

Hill Clothes Dryer Co., Inc.

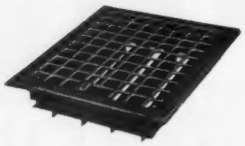
Worcester, Mass.

Tested and Approved by the Good Housekeeping Institute

Independent Registers

FOR

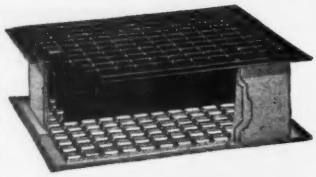
FLOOR, WALL OR CEILING



Any Size — Any Finish

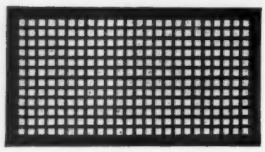
Close Mesh Register Faces for Store Floors

With narrow openings to prevent small shoe heels from catching.



Adjustable Ceiling Ventilators

Indispensable for warming upper rooms with Parlor Furnaces or Stoves.



Wrought Steel Grilles

Also brass, bronze and other metals.

Made to order in any size.

Catalogue upon request.

INDEPENDENT REGISTER & MFG. CO.
3739 East 93rd St. Cleveland, Ohio

GILLETTE

Portable Electric Clipping and Grooming Machines

Hanging and Pedestal Types

Gillette Hanging Type Portable Electric Clipping and Grooming Machine.

Operated on the light circuit furnished by any Electric Light & Power Co., or on any make of Farm Lighting Plant.

The convenience of the Gillette Portable Electric Clipping and Grooming Machines appeals to every progressive stockman, farmer, stable owner, veterinarian and dealer of dogs. Attached to an ordinary lamp socket it is instantly ready for work. No mechanical experience required to install or operate them.

GILLETTE CLIPPING MACHINE CO., INC.
129-131 WEST 31st STREET
Dept. A
NEW YORK, N. Y.

Price list on request.

46 years making dependable Clipping and Grooming Machines

TANGLEFOOT HOUSEHOLD INSECTICIDES

◆◆◆

• TANGLEFOOT FLY PAPER

The same non-poisonous, economical and sanitary fly destroyer that has served two generations of households. Destroys the germ as well as the fly. Size of sheet 8 x 14⅛ inches. Packed 50 Double Sheets to a display carton—5 cartons to the case.

• TANGLEFOOT FLY RIBBON

Well known and reliable. Hang from above, out of reach of children or pets. Non-poisonous. Stickiest compound on toughest paper. "Thum" tack provided. Packed 100 Ribbons in a display carton, 10 cartons to the case. Only American made fly ribbon.

• TANGLEFOOT Jr. FLY PAPER

8 x 8 sheets specially wrapped in attractive packages ready for consumer. 10c. **consumer Package** contains 6 single sheets (3 Double Sheets). 24 packages in a display carton—6 cartons to the case. 25c. **consumer Package** contains 16 single sheets (8 double). 12 packages to the carton, 6 cartons to the case.

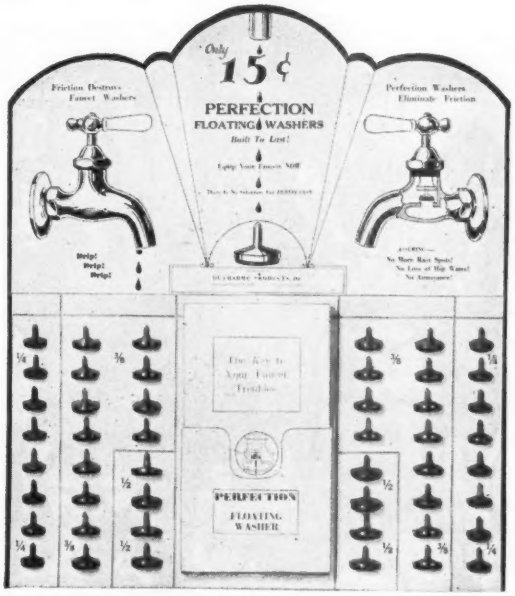
• TANGLEFOOT FLY SPRAY

For flies, fleas, mosquitos, bedbugs wasps, spiders, moths, roaches, ants and other insects in homes, stores, etc. Has pleasant odor. Does not stain. Sold in ½ pt. cans, 2 doz. in a case. Pint size, 2 doz. Quart size, 1 doz. Gallon cans, 4 in case. Hand sprayers—½ pt., 1 doz. in a case; quart, 1 doz. Continuous sprayers—1 doz. in a case. Combination outfit—3 oz. Bottle Spray with Sprayer 2 doz. in case. Also sold in 5, 15, 30, 53-gallon drums.

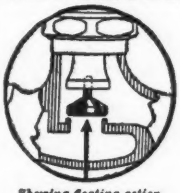
• TREE TANGLEFOOT . . .

Recommended by authorities for orchards, vineyards, shade trees. Combats all climbing insects. Easily applied, no mixing necessary. One pound makes 15 lineal feet of bands. Lasts three to four months—complete protection all of the time. Always soft and elastic—expands with growth. Packed for convenient use in 1, 5, 10 and 25 pound containers. Folder on request.

THE TANGLEFOOT COMPANY
Grand Rapids Michigan



PERFECTION *Floating* WASHERS



Showing floating action of the Perfection

Friction-Free—because they don't turn. Save fuel and water. Three sizes: ¼", ⅜", and ½". Retail at 15c each.

Self-Selling Counter Easel in Colors

Holds 4 dozen (24—⅜"; 16—¼"; 8—½"). Steady volume producer. We also supply large 7-color Wall or Window Card. If your jobber can't supply PERFECTIONS, order direct, giving his name. Jobbers: Write for discounts.

DU CHARME PRODUCTS, INC.
620 Western Reserve Bldg., Cleveland, Ohio, U.S.A.

ESICO "MIDGET"

$1.75

Sells on Sight!

In appearance and workmanship it compares with the highest priced soldering irons.

YOUR COST $6.30

for standard package of six irons with an attractive counter card

YOUR MARGIN $4.20

THE ESICO MIDGET

is made by the manufacturers of ESICO Constant Duty Irons which are used extensively in large factories throughout the country as well as in the U. S. Navy.

INTRODUCTORY OFFER

good only until December 31, 1932. With each six irons ordered we will send you FREE one extra iron.

To receive this extra iron it is necessary for you to send us your order for the six irons specifying the jobber thru whom they are to be shipped. Upon receipt of the order we will forward it to your jobber for his attention. We will ship the extra iron direct from the factory to you via parcel post.

ELECTRIC SOLDERING IRON CO., Inc.
135 West 17th Street, New York, N. Y.

Those dear dull days

ARE GONE

Time was, when hardware was expected to deteriorate. Corrosion like the cholera was something you just had to accept—but today it's taboo. Rust has become an ugly word. It's ugly when it causes stock depreciation and even worse when it shows up on the blade of a customer's carving knife. It is a failing of old fashioned steel, an unnecessary nuisance which has no place in modern merchandising.

The day is fast approaching when all steel must be "Stainless," not only because "Stainless" has the appeal of permanence (plated metal can never equal it) but also, because its deep, rich beauty fits the modern mode . . . The vogue is solid Stainless Steel. It's profitable because it's popular. Genuine Stainless Steel is manufactured only under the patents of American Stainless Steel Company, Commonwealth Building, Pittsburgh, Pa. Write us for our interesting new booklet.

STAINLESS STEEL

STAINLESS

"PRIEST'S"

Reg. U. S. Pat. Off.

ESTABLISHED IN 1865

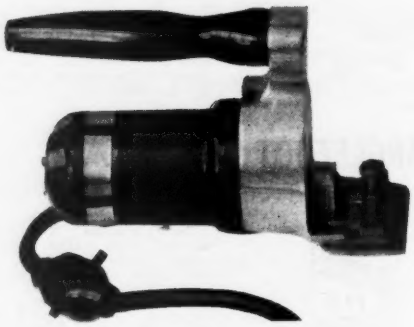
Toilet and Horse Clippers

Our toilet clippers include the entire range of models practicable for both household and professional use. The name "PRIEST'S" expresses the whole history of hair cutting instruments in America, with the exception of scissors. That means reliability.

PROFESSIONAL—Large size side-spring model. Sizes 1/0, 2/0, 3/0, 4/0. Correct in all details for the master barber. Special sanitary finish on plates.

BOUDOIR — Medium size trimming clipper, adjustable side spring. Sizes 2/0, 3/0, 4/0.

COMFORT—Standard small size trimming clipper. Dupont Duco finish in ivory and special color harmonies. Sizes 2/0, 3/0, 4/0. Plain finish: "Tiger" style.



SPEEDICLIP
ELECTRIC HORSE CLIPPERS

$18.00 list. 1/16 h.p. motor. Greatest possible speed and power. Bakelite motor casing, aluminum frame and all parts either non-corrosive or nickel and chromium plated. 25 feet heavy duty cord. Priest's standard No. 40 or No. 15 cutting attachment.

Priest's Clippers are fully guaranteed against defects in material and workmanship

AMERICAN SHEARER MANUFACTURING COMPANY

Nashua, N. H. **U. S. A.**

New York Office: 113 Chambers Street

Stock the Uncle Sam's Line—It's the Quality Line

Uncle Sam's 3-Coin Register Bank, the best made for quality and guaranteed performance. Rings—registers—adds—nickels, dimes, quarters. Takes pennies and bills. In Black or Red enamel finish. Holds $50. Door opens and locks automatically at every $10. No keys to lose.

Advertised Retail Price—$2.50

UNCLE SAM'S CASH STORE REGISTER

A real action toy that delights every child. Just like a real cash register. Press key, bell rings, drawer opens, flasher registers amount. Play money included.

Now Retails at $1.00

UNCLE SAM'S Single Coin Banks

Different models for pennies, nickels, dimes, quarters and half-dollars. Also takes bills. Bell rings for each coin deposited. Total deposit registers. Mechanism guaranteed. Bright black enamel finish.

Advertised Retail Price—$2.00

Uncle Sam's Electric Radio QUESTIONAIRE

The modern game for the modern age. Fascinates children—thrills grown-ups—provides fun for all. Educational and entertaining. Colored cards containing 180 questions and answers on various subjects. Conundrums—Inventions—History—Famous Sayings, etc., packed in each Questionaire. Electric bulb flashes correct answer.

Retails for $1.50

These Display Helps Make Selling Easy

Free metal display racks—attractive counter and show cards help you sell the Uncle Sam's Line.

DURABLE TOY & NOVELTY CORP.
H. H. PAYSON, *President*
217 Fourth Avenue New York

CASCO GLUE

CASCO Waterproof GLUE is a dry powder, one measure of which is quickly and easily mixed in one measure of cold water to form a liquid glue of great strength. The liquid CASCO Glue when set in a joint becomes insoluble and very highly water-resistant. Gives unfailing, uniform and *permanent* results.

Description: Brown powder; makes light brown liquid glue. Mixed daily as required. Glues all woods, hard and soft. Shows edge joint stain on acid woods such as oak and mahogany. Penetrates and sometimes stains the surface of thin veneers.
Uses: For gluing joints and veneers; boats, outdoor work of all kinds. For household repairs, etc. For gluing metal to wood, and all difficult gluing jobs. Quick setting; suitable for dowel and assembly work, etc.

Packages and Retail Prices

Trial Size (1½ oz.), 10c.

½ lb. can	40c.	10 lb. bag	$5.00
1 lb. can	65c.	25 lb. can	10.00
5 lb. bag	$2.75	50 lb. can	18.50

Casco (No. 2 White) Glue

Description: White powder; makes white liquid glue. Liquid glue does not thicken—stays at full strength 3 days. Glues oak, mahogany, pine, etc., free of stain.
Uses: For gluing joints, veneers and inlays free of stain. For furniture panels and general veneering. For all furniture and cabinet work where waterproof glue is not essential. For gluing jig-saw puzzle pictures, lithographs, etc. **Especially suited to needs of Manual Training and Vocational Schools.**

Packages and Retail Prices

Same as CASCO Waterproof Glue; but not supplied in Trial 10c. size.
*Note: One pound of either grade of CASCO Glue powder makes 1½ quarts liquid glue.

CASCO WALL SEALER

Description: Dry powder—cold water soluble—no heat required—mixes easily without lumping. Transparent in solution—pigments can be added if desired. One pound makes 1 to 1½ gallons liquid SEALER. Does not spoil or sour.

Uses: Sizing rough or smooth plaster, fibreboard, wallboard, insulating board. To be used under every kind of paint. Sizing before papering or kalsomining. As primer under plastic paint or as sealer over plastic paint. With whitewash or wallpaper paste to add strength and water-resistance.

Properties: Spreads smoothly without dragging. One pound covers 700 sq. ft. smooth plaster, or 400 sq. ft. fibre-board. Dries quickly under bad drying conditions, and stays dry. Film is tough, adhesive and water-resistant. Will not crack or peel. Hot spots and free lime areas in plaster walls are made harmless by additional coats of CASCO Wall SEALER because, through contact with lime water, the film becomes toughened and insoluble. **This chemical property of CASCO Wall SEALER sets it apart from all other sizes, sealers and primers.**

Packages and Prices

1 lb. boxes: 24 in Corrugated Carton. Retail Sale Price 50c. per package.
100 lb. ½ barrels. Retail Sale Price 45c. per lb.
300 lb. barrels. Retail Sale Price 40c. per lb.

The Casein Manufacturing Company *of* America, Inc.
205 East 42nd Street New York, N. Y.

Profits

come from Sales of

Champion Lamps

CHAMPION Incandescent Lamps are manufactured by the Consolidated Electric Lamp Company under license granted by the General Electric Company. The Consolidated Electric Lamp Company have been manufacturers of Incandescent Lamps for more than 30 years and are one of the most experienced and largest manufacturers of Incandescent Lamps in the country.

Supply made under Federal specifications WL-101. Jobbers can rely upon Champion Lamps meeting any and all Federal, State and City specifications requiring highest quality lamps.

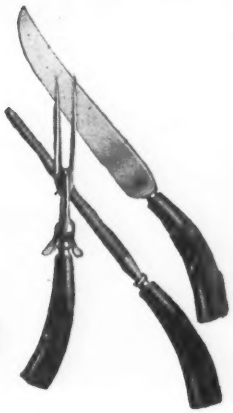
R. G. Dun's rating. **Bradstreet's rating.**

CONSOLIDATED ELECTRIC LAMP CO.

990 Holton Street **DANVERS** **Massachusetts**

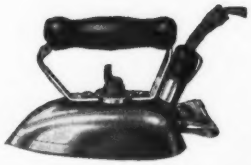
UNIVERSAL

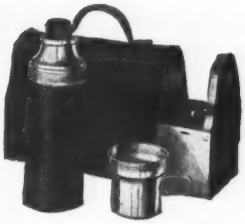
First in Quality
First in Value
First in the Hearts of all Hardwaremen



UNIVERSAL—"The trade mark known in every home" has the greatest public acceptance of any brand on the market. It covers a wide assortment of Household Helps—electrically operated and otherwise—also Fine Table and Kitchen Cutlery. Real values—Real profits—not sold by mail order houses and chain stores.

LANDERS, FRARY & CLARK
NEW BRITAIN, CONN.





Outstanding Values

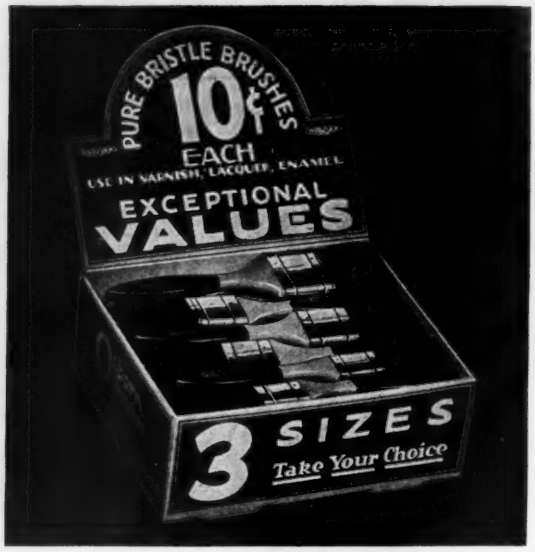
No. 1773 WIRE SCRATCH BRUSH ASSORTMENT

Suggested Retail Price

10¢ Each

Assortment contains 24 Osborn No. 1773 Fine Steel Wire Scratch Brushes. Straight back. Solid block, 4½" x 1 11/16". 5 x 10 rows. Trim 1¼".

This is a fast selling brush because it represents real value and has a wide range of uses in the home, store or shop.



No. 4530 VARNISH BRUSH ASSORTMENT

Suggested Retail Price

10¢ Each

Assortment contains 36 Osborn No. 4530 Flat Varnish Brushes in the following sizes:

Quantity	Width	Length	Suggested Retail Price
12	1"	1⅞"	10¢ each
18	1½"	1⅞"	10¢ "
6	2"	1⅞"	10¢ "

(Sold only in Assortments)

These brushes are made of Pure Chinese Bristle; vulcanized in rubber; nickeled ferrule; and have attractive Red and Black lacquered handles.

Today, people are looking for that rare combination of quality and low price. When they see that combination, they BUY! In presenting the exceptional values illustrated on these pages, Osborn is offering YOU real opportunities for QUICK TURNOVER and QUICK PROFITS.

Osborn Brushes

That Sell On Sight

No. 1933 VARNISH BRUSH ASSORTMENT

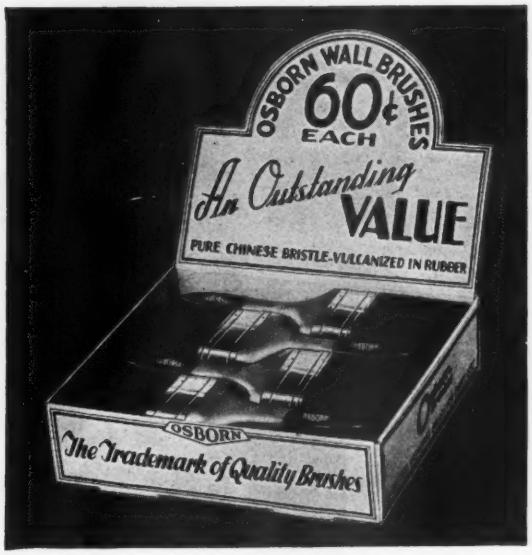
Suggested Retail Prices

15¢ - 20¢ - 25¢ Each

Assortment contains 24 Osborn No. 1933 Flat Varnish Brushes in the following sizes:

Quantity	Width	Length	Suggested Retail Price
8	1"	2⅛"	15¢ each
8	1½"	2⅛"	20¢ "
8	2"	2⅛"	25¢ "

Rippled Black and White lacquered handles. Pure Chinese Bristle. Vulcanized in rubber. Nickeled ferrules.



No. 4360 WALL PAINT BRUSH ASSORTMENT

Suggested Retail Price

60¢ Each

Assortment contains 12 Osborn No. 4360 Wall Brushes as follows:

Quantity	Width	Length	Price
12	3½"	3½"	60¢ each

Handles are lacquered in bright orange and black. Pure Chinese Bristle, vulcanized in rubber. Nickeled ferrule.

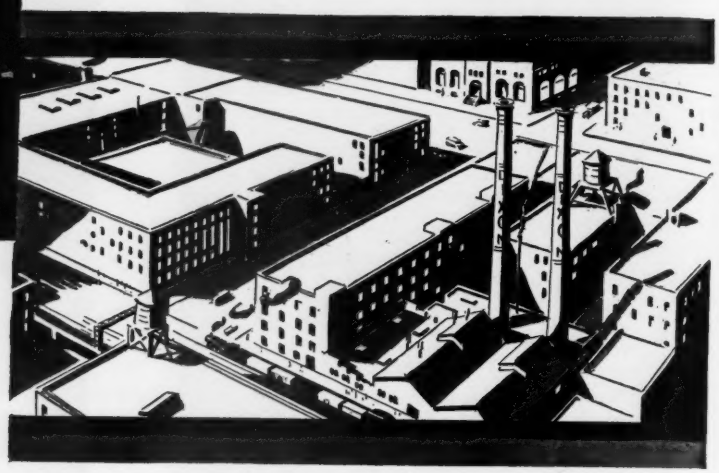
These brushes have the appearance and "feel" of high priced brushes. A distinctly quality brush at a remarkably low price.

Osborn Brushes are quality built. With a brush for every purpose and a brush for every purse, the hardware merchant can depend on a steady market and a steady profit selling Osborn TRUE VALUE Brushes. Ask your jobber or write us for complete information.

THE OSBORN MANUFACTURING COMPANY

5401 Hamilton Avenue Cleveland, Ohio
Sales Branches—New York, Detroit, Chicago, San Francisco

Osborn Brushes



DIXON BRINGS TO INDUSTRY THAT PRICELESS GIFT OF NATURE ... GRAPHITE

For more than a century the Joseph Dixon Crucible Company has pioneered in applying the inherent advantages of natural flake graphite to the lubrication problems of Industry.

The graphite used in all Dixon Graphite Products is a natural flake graphite which in purity, in uniformity, in lubricating and protecting qualities has never been equalled.

Our obligation to Industry is that of incorporating in all our products the full benefits with which Nature has already endowed Graphite. That this trust has been fulfilled is evidenced by Industry's recognition and acceptance of their superiority.

DIXON GRAPHITE PRODUCTS

Flake Graphite	Graphite Seal
Graphite Cup Grease	Pipe Joint Compound
Waterproof Graphite Grease	Industrial Graphite Paint

JOSEPH DIXON CRUCIBLE CO.

Established 1827

Jersey City New Jersey

QUALITY • **Sheffield** • PRODUCTS

Developers of Original and Unique Selling Helps

⅙ Actual Size

Amazing NEW WAX

(Liquid)

Requires no rubbing—no polishing. Non-sticky — non-skid. Quick-drying. Lustrously bright. Used on floors, woodwork, furniture, automobiles.

So Easy to Use—Even a Child Can Apply It Like an Expert

60c., $1 and $3.50 sizes. Unusual merchandising display material in colors—given FREE.

Improved

PATCHING WOOD

Recent developments by our chemists have made this fast-selling, 100-purpose Patching Wood better than ever, and it's so easy to use with its convenient spreader and top lifter — exclusive Sheffield feature.

¼-lb. can only 25c.

Also 10c. size, 25c. tube, and 1-lb. can. Self-selling stock-containing revolving cabinet given FREE.

¾ Actual Size

PURE OIL COLORS

Junior Assortment made up of ½ doz. each of 20 most popular colors. Beautiful lithographed tubes. All 10¢ sellers. Lacquered Wood Display Cabinet and Color Chart given FREE.

Master Assortment consists of 1 doz. tubes each of 20 most popular colors. Jade Green Lacquered Metal Stock and Display Cabinet, and Color Chart given FREE.

Painter's Economy Size Tube in 16 most used colors—20¢ sellers. All Metal Lacquered Counter or Hanging Display with Color Chart — given FREE.

CHINA AND HOUSEHOLD CEMENT

15¢ seller. Handy brush FREE with each bottle. Colorful self-selling display card holds 1 dozen.

LIQUID PORCELAIN

25¢ seller. Handy brush FREE with each bottle. 1 doz. carded on colorful Display Card.

KLEEN-A-BRUSH

10¢ seller. Biggest value on market. Attractive Display Carton holds 1 dozen.

POSTER AND SHOWCARD COLORS

For the first time—a 10¢ jar; also in 25¢ size and larger sizes. 12 popular colors. Stunning display material.

SPEED-DRI BLACK ENAMEL

In new brush-top glass jars. 45¢ seller. Attractive Cut-Out Display FREE.

GASKET AND RIM SHELLAC COMPOUND

With swab in wood top of bottle. 10¢ seller.

BRONZE POWDERS

15¢ sellers. In glistening glass tubes with new Sheffco Stopper. 8 rainbow colors. All Metal Revolving Display Cabinet given FREE.

DUO-JAR GOLD OR SILVER COMBINATION

10¢ seller. Unique patented container. 1 dozen original display on Colorful Sales-Making Display.

GOLD & SILVER BRONZE PAINTS

In 25¢, 35¢, 60¢, $1.10 and $2.00 sizes. Unequalled value. In combination cans—containing bronze, bronzing liquid and handy mixing dish.

IRON ENAMEL

Brilliant gloss black. 15¢, 25¢, 35¢, 55¢ sizes. Miniature metal range in color given FREE.

WATER APPLIED TRANSFERS

25¢ the set. Stunning Jade Green lacquered miniature breakfast nook bench with 33 samples ringed to bench back given FREE.

3-STAR FLOOR CLEANER

Triple Action—cleans, bleaches, removes paint and varnish. 20¢ and 60¢ size. Demonstrative Display Card in colors—FREE.

GOLD OR SILVER BRONZE ENAMEL

Ready Mixed. 10¢ seller. Free Brush with each bottle. Lacquered Metal Standing or Hanging Display Cabinet FREE.

CRACK FILLER

10¢, 25¢, $1, $6 sizes. Eye-catching Counter Display.

MIRRO-METALLICS

15¢ seller. 6 popular colors. Genuine Mirror glass. Colorful Window or Counter Display, and Red Lacquer Stock Cabinet FREE.

DECORATIVE STENCILS

Exclusive Sheffield Designs. Special features. 5 Different Assortments. Unusual FREE Display offers.

BULK BRONZES

Packed in 1 lb., 5 lb., 10 lb., 25 lb., 50 lb., 100 lb. Not only standard quality bronzes, but also the finest Lining and Striping Bronzes obtainable. Prices subject to market.

Unique and Colorful Displays and Stock Cabinets ***FREE***

Bronze Combination Package Display

10¢ Poster and Showcard Color Display

No-Rub Wax Display

Duo Jar Gold or Silver Display

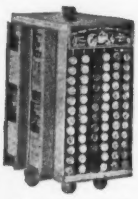
25¢ Poster and Showcard Color Display

Pure Oil Colors in 10¢ Tube Display

Ready Mixed Bronze Enamel Display

China and Household Cement Display

Decorative Transfer Display



Bronze Powders in Glass Tubes Display

Patching Wood Display

Painter's Size Oil Color Display

Kleen-A-Brush Display

Liquid Porcelain Display

For discounts and further details, write

THE SHEFFIELD BRONZE POWDER & STENCIL CO.

Originators of Bronze Powders in Glistening Glass Tubes

5819 Kinsman Road, Sheffield Bldg., Cleveland, Ohio, U. S. A. — Canadian Factory: 426 Queen St. E., Toronto

THE ONTARIO KNIFE CO.

FRANKLINVILLE, NEW YORK

Makers of

Tru-Edge
ONTARIO KNIFE CO.
WARRANTED
MADE IN U.S.A.
TRADE MARK REG.

HIGH GRADE CARBON STEEL CUTLERY

Beet Topping Knives
Boning Knives
Bowling Knives
Bread Knives
Butcher Knives
Butcher Steels
California Fruit Knives
Cheese Knives
Cigar Makers' Knives
Cooks' Knives { Heavy Chef's / Household
Coring Hooks
Corn Knives
Cotton Sampling Knives
Fish Knives { Canning / Scaling
Forks
Fruit Knives
Grape Hooks
Hamburg Spatulas
Ham Slicing Knives
Household Butcher Knives
Kitchen Carvers
Kitchen Cleavers
Kitchen Steels
Lettuce Knives
Linoleum Knives
Paint Scrapers
Palette Knives
Paring Knives
Pitting Spoons
Putty Knives
Roast Beef Slicing Knives
Rubber Knives
Scimiter Steak Knives
Shoe Knives
Skinning Knives
Slicing Knives
Spatulas
Special Knives
Sticking Knives
Tomato Spoons
Vegetable Knives
Wall Scrapers

and

NEVER-STAIN STAINLESS STEEL CUTLERY

Bread Knives
Carving Pairs
Carving Sets
Forks
Fruit Knives
Grape Fruit Knives
Household Butcher Knives
Palette Knives
Paring Knives
Spatulas
Table Cutlery
Vegetable Knives
Special Knives

Sold Through the Jobber

FIBRE INDURATED ALMO FIBRE WARE

For HOUSEHOLD USE — For INDUSTRIAL USE

Standard Pails—all sizes

Here's a salable line . . . the only one of its kind in the United States! ALMO Indurated Fibre Ware offers more advantages in utensils than metal or wood. Other articles, in addition to those shown, are:

FIBRE CHAMBERS
SCRAP JARS
TRAYS
UMBRELLA STANDS
VASES, *for flowers*
WASTEPAPER BASKETS

Indurated Fibre Ware is tough, durable, rust-proof; will not dent, warp, bend or shrink. Waterproof, odorless, tasteless. Easily kept sanitary. Not affected by mild acids, chemicals, corrosive liquids or temperature changes.

Write for complete catalog and prices.

Almo Trading & Importing Co., Inc.
61 East 11th St., New York City
West. Repr. E. L. MOORE CO., 742 S. San Pedro St., Los Angeles, Cal.

Lipped Pails—all sizes

Round or Oval Tubs all sizes

Fire Pails lettered "Fire"

Measures—all sizes

Funnels—all sizes

Cuspidors

Here's the Improved

WOOSTER SAMPLER SYSTEM

GREATER VALUE - LOWER PRICE

You get these 26 "best selling" brushes clipped on both sides of the panel. Easy to remove and replace. A complete model brush line selected to meet the demands of 95% of your brush customers.

	1/12 Doz Each		Retail Price Per Brush
Varnish—Enamel—Lacquer Brushes	No. 55—3½"	Extra Shasta	$ .85
	No. 44—2⅝"	Extra Shasta	.65
	No. 33—2⅛"	Extra Shasta	.50
	No. 2—1⅝"	Shasta	.35
	1"	Shastette	.20
	3"	Foy	.75
	2½"	Foy	.65
	2"	Foy	.50
	2"	Fong	.35
	1½"	Fong	.30
	2"	Folly	.35
	1½"	Folly	.25
	1"	Folly	.20
	2"	Toppy	.20
	1½"	Toppy	.15
	1"	Toppy	.10
Sash	1½"	Fox	.35
Flat Wall or Paint Brushes	No. 48—4"	Master Painter's Favorite	2.25
	No. 24—3½"	Friendly Painter	1.50
	4"	Joe	1.35
	3½"	Joe	1.15
	4"	No. 1000 Wall	1.00
	3½"	No. 750 Wall	.75
	3"	No. 500 Wall	.50
	4"	Premium	.65
	3½"	Premium	.55
26 brushes—retail value			$16.40
BRUSH CLEANER By WOOSTER—retail value			2.40
Total Retail Value			$18.80

Now! More reasons than ever why you should install this unique, simplified brush selling system. Priced at $12.50, the Wooster Sampler System costs less yet its value is considerably greater. Think what you get:

1. The swinging metal panel display with a complete model line of 26 selected WOOSTER Foss-Set BRUSHES to increase your sales, turnover and profit.
2. The new, combination handy stock control guide and brush sales-aid card . . . attached to the display panel for convenient reference by you and your customers.
3. A self-display carton containing 24 full 3 oz.—10c.—packages of BRUSH CLEANER By WOOSTER—the magic, new cleaner with a novel, profit-building, merchandising idea.
4. Attractive advertising to identify your store as headquarters for nationally advertised WOOSTER Foss-Set BRUSHES.
5. The new book of "quick" order blanks to save your time—(prevents duplicating numbers and overstocking).

Now for a surprisingly small investment, you get a complete modern brush department — perfected, simplified, easy to install and use.

At $12.50—it's a whale of a bargain! Over 3,000 dealers who have installed the Sampler recommend it to you. Order from your jobber or The Wooster Brush Co., Wooster, Ohio.

50% MARGIN FOR YOU

Sampler Costs	$12.50
Retail Value	18.80
Your Margin	$6.30

—and on Wooster Brush refills to the panel your margin averages better than 62%.

"CHICAGO"

The World's Greatest Roller Skates.

The latest Improvements.

A Wheel Within a Wheel.

Champions That Win.

Profitable

He chose "CHICAGO'S."
Now he is champion of his street

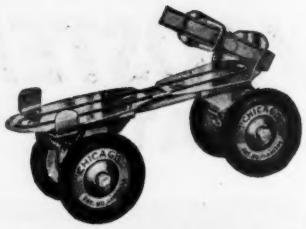
No. 101—The FLYING SCOUT with the NEW Channel-Arch, will hold 200-pound man without bending when skate is fully extended. DOUBLE - TREAD, "TRIPLE-WARE" Steel Wheels; Grade "A" Ball Bearings; Riveted Bushings. Cannot come apart.

No. 75
Outwears all others 3 to 1

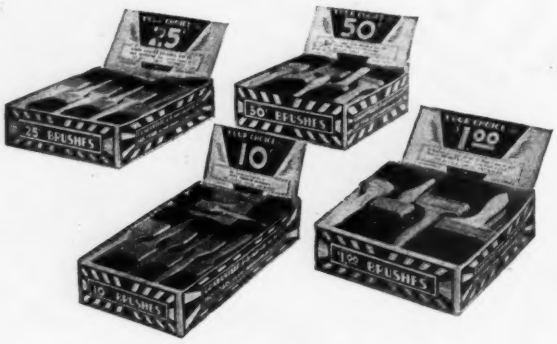
"CHICAGOS" have won the World's Long Distance Record, the World's Endurance Record, the World's Relay Record and 1st, 2nd and 3rd places at the Six-Day International Race, Madison Square Garden, N. Y. They're World Beaters for profits, too, Mr. Dealer—let them make some records for you! Write for our catalog today!

Chicago Roller Skate Company
Roller Skates With Records for Over 27 Years
4436 W. Lake Street Chicago, Ill.

CHICAGO FLYING SCOUT Roller Skates



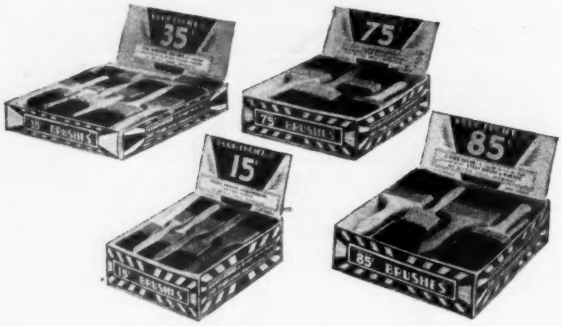
No. 181—The SILENT FLASH—the marvelous Rubber Tire Skate. New Channel-Arch and every other "CHICAGO" feature. And, besides, noiseless rubber tires. A favorite with thousands.



Box Assortments —for more sales

New self-displaying assortments of popular priced brushes retailing from 10c to $1.00. An ideal stock for the average trade. Every brush a popular number, the finest value in its price range. More sales—quicker turnover—more profits—less inventory from these selected assortments of value-giving brushes.

"GERTS, LUMBARD" and "BURTON'S" complete line of brushes—for Paint, Varnish, Stucco, Enamel, Kalsomine, etc.—are standard and dependable painters' tools, made of the finest quality of materials and with a skill in workmanship that comes from 170 years of brush-making experience.



Write Factory Nearest You

Gerts, Lumbard & Co.
2100 West Grand Ave.
Chicago, Ill.

Burton Brush Co.
122 Harvard St.
Cambridge, Mass.

COPRTOP Tank Ball

Retails at
50c

COPRTOP is patented—copper top keeps ball perfectly shaped. Rust-proof top of copper. Seamless moulded resilient rubber bottom seats tight—stays right. Guaranteed 3 years. 5 sizes: 2¼", 2½", 2 5/8", 2¾", 3". Retail at 50c each. Individually packed. Display box of 12. Dealer mark-up 100%.

ARPCO—one-piece red moulded rubber, reinforced; no swelling. Spud anchored securely. No leaks. 3 sizes: No. 130 for 2" to 2¼" valve. No. 140 for 2½" to 2 5/8" valve. No. 150 for 2¾" to 3" valve. Individually boxed. Retail at 25c each. Cost dealer 11c each. If Jobber cannot supply—order direct. Dealer mark-up over 100%.

American Rubber Products Corp.
125 East 46th St. New York City

ARPCO Tank Ball

Retails at
25c

FOYS

Complete Line of Popular

Paints, Varnishes, Lacquers, etc.

for HOME, FARM and INDUSTRIAL PURPOSES

HOUSE PAINT

Foy's Best-Bodied Ready-Mixed
Trueness Liquid House Paint
Foy's Spar-Sash Black

WALL PAINT

Velvatone Flat Wall Paint
Velva-Gloss Wall Paint
Velva-Seal, the Perfect Sealer
Foy's Glazing Liquid

PORCH & DECK PAINT
ROOF & BARN PAINT

Foy's Roof & Barn Paint
Columbian Roof & Barn Paint
Foy's Asbestos Roof Cement
Foy's Big Four Yellow
Foy's Creosote Shingle Stain

ENAMEL

Permadura Enamel
Foy's 4-hour Dri-Fast Enamel (also Stain and Clear)
Foy's Floor Enamel
Topaz Gold and Aluminum Enamel
Foy's Truck & Tractor Enamel
Enamel Undercoatings

WOOD FILLERS

AUTOMOBILE PAINTS

Enamels, Lacquers, Top Dressing, Fender Enamel, etc.

CONCRETE AND STUCCO PAINT
LACQUERS
FOY'S MILL WHITE
ALUMINUM PAINT

STAINS AND VARNISHES

Foy's Oil Wood Stain
Foy's Penetrating Wood Stain
Stain Undercoatings
Foy's Liquid Graining Colors
Topaz Varnish Stain
Trueness Varnish Stain
Foy's Varnishes (including Foy's 2-hour Varnish)

SCREEN PAINT
STOVE-PIPE ENAMEL
PAINT AND VARNISH REMOVER
FLOOR WAX
POLISHES

MISCELLANEOUS

Foy's Colors in Oil & Japan
Foy's Graphite Paint
Foy's Metal & Furniture Polishes
Foy's Blackboard Slating, etc.

Foy's high-quality paints, varnishes, etc., assure customers' complete satisfaction. Write for interesting dealer proposition.

THE FOY PAINT CO., Inc.

Owners of
THE CINCINNATI VARNISH CO., Inc.
Cincinnati (Norwood), Ohio

HARDWARE DEALERS SHOULD MATCH CHAIN STORE VALUES ON 5¢ to $1.00 MERCHANDISE

Don't Be Undersold—

by the CHAINS on 5¢ to 25¢ staple every-day selling items and have your customers feel that you are too high priced on all lines of General Hardware and Housefurnishings, just because you are out of line on the 5¢ to 25¢ lines.

Don't Be Undersold!

Get a CHAIN STORE BUYING CONNECTION on the 5¢ to 25¢ lines, sell at CHAIN STORE PRICES, make CHAIN STORE PROFITS, or don't handle this popular line of merchandise.

Don't Be Undersold!

Secure the facts about the "C. M. S.", an organization that has SPECIALIZED in 5¢ to $1.00 merchandise for 18 years.

Remember—

that only when you can BUY Chain Store (5¢ to 25¢) Merchandise at somewhere near the price the BIG CHAINS PAY, will you be in position to sell at CHAIN STORE PRICES and make a SATISFACTORY MARGIN OF PROFIT on staple merchandise which has an all-year-'round sale to the people living in your city and in the surrounding territory.

Consolidated Merchants Syndicate, Inc.
PIERRE H. MEYER, Pres.
890 Broadway **New York City**

Attach this coupon to your letterhead and learn how you can INCREASE YOUR SALES and PROFITS on 5¢ to 25¢ MERCHANDISE.

Name .....

Attention of .....

Address .....

SEPTEMBER, 1932—HARDWARE AGE

DAZEY CHURNS

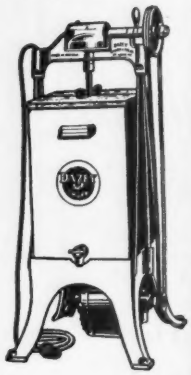
The Dazey Has Been for Years the Leading Churn

Used and endorsed by State A. & M. Colleges, Home Economic Demonstrators, and Scientific Buttermakers throughout America.

Many housewives are now going back to making their own butter due to the economic situation, and the low price of cream.

Dealers will find it profitable to stock and display all sizes.

Leading Hardware Jobbers everywhere stock DAZEY Churns. Order from your Jobber.



SIZES

Glass Churns—2, 4, 6 and 8 quart sizes.
Metal Hand Churns—2, 3, 4, 6 and 10 gallon sizes.
Electric Churns—2, 4, 6 and 10 gallon sizes.

DAZEY SHARPIT

The original all purpose sharpener. Rust proof electro plated. Patented grinding wheels produce correct cutting edges on all types of cutlery.

DAZEY CHURN & MANUFACTURING CO.
ST. LOUIS, MO.

Buyers of Hardware, both Wholesale and Retail will find in the advertisements contained in this

Directory Number of Hardware Age

a fund of valuable information on nearly every kind of merchandise sold or used in the hardware trade.

Keep your copy of this Directory Number at hand for ready reference.

COOPER

BAKE-O-METER
OVEN THERMOMETER

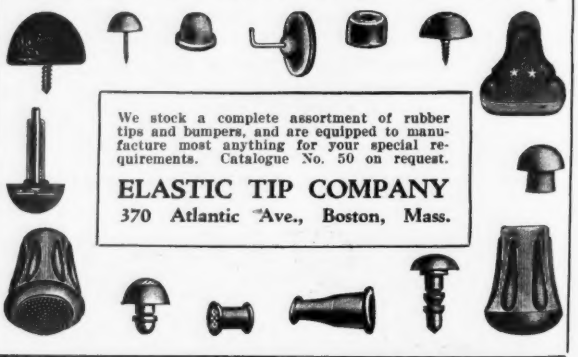
ICE-O-METER
REFRIGERATOR THERMOMETER

Thermometers for Candy Making, Deep Fat Frying and Meat Roasting.

Also Indoor and Outdoor Thermometers.

S. M. SCHREIBER *Exclusive Representative* 200 W. 34th ST., NEW YORK CITY

MOLDED RUBBER GOODS



We stock a complete assortment of rubber tips and bumpers, and are equipped to manufacture most anything for your special requirements. Catalogue No. 50 on request.

ELASTIC TIP COMPANY
370 Atlantic Ave., Boston, Mass.

Sommer's Warranted Faucets

OIL FAUCET

SOMMER'S PEERLESS
WOOD FAUCET

BRASS FAUCET

JOHN SOMMER

SOMMER'S I-X-L
WOOD FAUCET

JOHN SOMMER'S
DIAMOND LOCK
WOOD FAUCET

JOHN SOMMER'S
WASHINGTON CIDER
WOOD FAUCET

JOHN SOMMER FAUCET CO.
32 Morris Avenue
NEWARK, N. J., U. S. A.

WATERPROOF STAY-TITE PRODUCTS

STAY-TITE
Waterproof Glue

A liquid glue developed for marine use—incomparable for all repairing needs. Waterproof, transparent, quick-setting. Holds forever. Many sizes. Unusual Counter Dislay Stand in colors given FREE. Write for further details.

STAY-TITE
Caulking Compound

For quick and permanent sealing of cracks, seams, joints, etc. Ready to use. Remains elastic indefinitely. For stopping water leaks. Super-quality. Colors: black and gray. Complete range of sizes.

STAY-TITE
Sealer

A semi-liquid for permanently sealing drip moldings, ventilators, or wherever a water leak may appear. Heatproof. In flexible tubes. Will not harden or congeal in tube. ½-gal. and 1-gal. containers include Sealer Gun FREE. Write for further details.

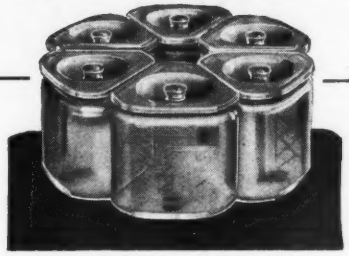
STAY-TITE
Crack Filler

Exceptional value. Absolutely shrinkproof, sagproof, and crumbleproof. Will not deteriorate in carton. Sticks to stone, wood, cement, plaster, etc. Unrivalled for repair work. Surprisingly low priced — Emergency Size, 10¢; 1-lb. package, 25¢. Write for further details.

All Stay-Tite Products are year round profit-makers and quick-repeaters. Stock them. Write for illustrated literature and discounts.

STAY-TITE PRODUCTS CO., Dept. HC., 3107 Detroit Ave., CLEVELAND, OHIO

THE SCURLOCK KONTANERETTE



"It Revolves"

It is the newest kitchen item—the handy food preserver for use in Refrigerators, Pantries, on Kitchen Cabinets, and Service Tables.

Consists of six, high quality, crystal glass jars, mounted on a beautiful white, steel tray which "REVOLVES" on hardened steel ball-bearings.

Made in two sizes. Size No. 1—S-10, capacity, 32 ounces.

Size No. 2—S-20, capacity, 24 ounces.

Leading Hardware merchants throughout the country are selling the Scurlock Kontanerette.

Retail prices range from $3.25 to $4.50 according to location.

Liberal discounts allowed to dealers and jobbers.

Stock the Kontanerette and increase your business and profits.

Write for particulars to

Scurlock Kontanerette Corporation
332 So. Michigan Ave. Chicago, Illinois

FALLS CITY

SINCE 1862

70 Years of Manufacturing Quality Products Sold the World Over.

Furnaces
Tin Ware
Wash Boilers
Tackle Boxes
Bait Boxes
Shell Boxes
Lard Cans
Milk Coolers
Water Coolers
Milk Strainers
Pot Covers
Cuspidors
Pipe Collars
Tin Dippers
Funnels
Measures
Dairy Pails
Berry Pails
Cake Pans
Pie Pans
Gasoline Tanks
Oil Tanks
Drum Stoves
Display Table
Rod and Reel Case
Plug Box
Grasshopper and Cricket Container
Roofing Caps
Stove Pipe
Furnace Pipe
Pipe Elbows
Minnow Pails
Lamp Brackets
Lamp Frames
Oil Pumps
Tin Churns
Tin Cups
Minnow Traps
Lamp Reflectors
Rinsing Pans
Coal Vases
Sorghum Skimmers
Covered Buckets
Flaring Pails
Cream Cans
Dairy Pans
Milk Pans
Wash Pans
Pudding Pans
Fire Pots
Flashing
Scroll Hangers

Nationally Known for Outstanding Workmanship and Quality Materials

Manufacturing Division

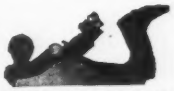
STRATTON & TERSTEGGE CO.
INCORPORATED
LOUISVILLE, KENTUCKY

SHELTON BASKETS

The Shelton Basket Company, Shelton Conn.

For 70 Years Basketers of Quality! Makers of Hard Drawn Ash Baskets

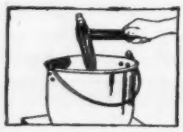
SHELTON'S NEW OVERHEAD ADJUSTMENT PLANE
Completely protected by patents.



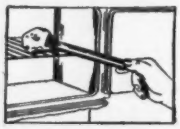
RETAIL $1.50 TO $4.00
Quickest and easiest adjustment. Cutter made of highest grade crucible tool steel. Bodies machined and polished on sides and bottom.

CHAIN LOCK

A 75c. RETAILER



No More Burnt Hands and Arms



POMTONGS!

SOMETHING NEW!

Indispensable for

TURNING—Bacon, Toast, Wieners, Fried and Broiled Meat.
LIFTING—Corn, Doughnuts, Boiled Eggs and Vegetables.
REACHING—In oven for Baked Potatoes, Apples, Meat, Bread and Biscuits.
PROTECTING—Hands and Arms from Heat and Cold.
Made from cold rolled steel; finished in bright chromium plate. Sizes 6, 9 and 12 inches. Gripping edge serrated, giving wonderful grip without tearing or puncturing food or articles turned or lifted.

Dealers will find market in Homes, Hotels, Cafeterias, etc. Write for Terms.

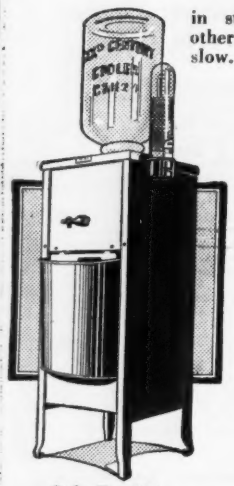
Tested and Approved 2636 Good Housekeeping Institute Conducted by GOOD HOUSEKEEPING MAGAZINE

POM Lake Shore Blvd. and Lloyd Road, Cleveland, O.

CORDLEY (20th Century) COOLERS

BIG DOLLAR PROFITS

in summer when other sales are slow.



Style No. 800
Bottle Type

Style No. 900-S
City Pressure Type

Ice Coolers or Electric

Cabinet or Round Type
Bottle Type or City Pressure

Send for Complete Literature

CORDLEY & HAYES

149a Hudson Street, New York, N. Y.

"Water Coolers Since 1889"

Constant Sellers in Novel Display Cases

The Moore Line of handy little devices for the Home, Office, School, Club, Store, etc., brings customers into Hardware Stores.

Moore Push-Pins

To Hang up Things. Glass Heads, Steel Points. Two sizes. In Window-front Packets.

Moore Push-less Hangers

To hang up framed pictures, maps, charts, etc. Four sizes. In Window-front Packets.

Moore Marking Tacks

With special writing surfaces. Twelve colors.

Moore Quality Thumbtacks

With nickeled steel, brass or enameled heads. Sizes up to ⅝".

Your Wholesaler can supply you with small, bright colored Counter or Table Displays, which make sales. We also manufacture Maptacks, Alphabetical and Price Tacks, Decorative Push-Pins, Curtain Tie-Backs, Fasteners, etc. For complete information and prices, write

MOORE PUSH-PIN COMPANY
113-125 BERKLEY ST., PHILADELPHIA, PA.

"SEXTOBLADE" RAZOR

FOR TOUGH BEARDS AND TENDER SKINS

Has an easy balance natural shaving stroke, and keen edge. Changeable blade with safety guard. Can be used as a straight razor or as a safety razor. Make your store Sextoblade headquarters, and you'll not have to worry about cut-throat competition.

STYLE A $3.00

Sextoblade Razor and five extra blades in leatherette covered metal case.
Write for Booklets

STYLE B $4.00

Sextoblade Razor and seven extra blades in attractive leather covered case.

EDWARD WECK & CO., Inc., 206 Broadway, New York

WECK KNIFE SHARPENER

PRICE $1.00

Chromium plated and colored enameled housing, long wearing disks of highest carbon steel, Parkerized.

PLAY SAFE THIS FALL

Do as the greatest merchandisers in America are doing and concentrate on LIONEL Electric Trains because:—

1 *Lionel out-advertises and out-sells all other brands combined—and has for years.*

This fall Lionel will blanket America with the most smashing, dramatic and powerful advertising in all its history—and that means in the history of train advertising. Huge page and half page ads will run in the color comic sections of 38 great metropolitan Sunday newspapers, covering the country from coast to coast. In addition, Lionel will use from half page to double page space in the following national magazines: Saturday Evening Post, Collier's, Liberty, Literary Digest, Time, Good Housekeeping, Popular Science, Popular Mechanics, Parents' Magazine, Railroad Stories, Open Road, Boys' Life and the American Boy Magazine.

2 *Lionel prices are down. You can now offer your customers the finest trains made at the prices of inferior makes of trains.*

Lionel prices have been reduced but the values, the famous Lionel quality that has lead the world, are, if possible, even better. Lionel, always the most complete electric train line, forges still farther in the lead this year with 21 new, important items—including 2 stunning new steam-type locomotives, an accurate weighing scale, a round house and an automatic signal bridge. Since it has been found that for every $55. worth of sales of Lionel Trains you may expect $45. more sales of accessories, these new items mean just so much more profit possibilities for you for every train you sell.

3 *By concentrating on Lionel and eliminating the weak sisters—the less known, the less advertised, less complete lines—you keep down your overhead, speed up your turnover and net greater profits.*

The Lionel Corporation . . . General Offices, 15 E. 26th St., New York City . . . Chicago Warehouse, Merchandise Mart, Chicago, Ill. . . . (West Coast Branch, M. Sweyd & Son, 718 Mission St., San Francisco) . . . Southern Branch, F. A. Jones, Rhodes-Haverty Bldg., Atlanta . . . Canadian Branch, Harold F. Ritchie & Co., Ltd., Toronto and Branches.

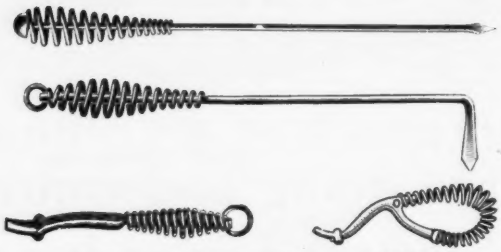
Good News

A new LIONEL Service Station (Factory operated) at the Merchandise Mart, Chicago. Open October 15th to March 15th. Send your repairs there or to Sager Place, Irvington, N.J., whichever is most convenient.

LIONEL *Electric* TRAINS

ARCADE HARDWARE

Arcade Flour Mill. Equipped with high speed adjustable burrs for all types of grain. Grinds easily and gives excellent results.



Stove Pokers, Lid Lifters and Scrapers, in a variety of sizes.

Arcade Crystal Coffee Mill. Easily operated, and adjustable for grinding to fineness desired. Furnished in blue, green, white, red, yellow, or black.

9593 Christmas Tree Holder. New Arcade Tree holder to retail at 50c. Also made in De Luxe model of larger size to sell for $1.00. Write for circular giving full details.

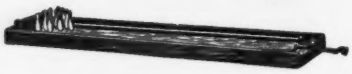
Fish and Frog Spears. Brightly enameled in green, enhancing their display value.

Arcade Steel Spindle Damper. Accurately molded extra heavy cast-iron blade. Sharply ground electrically welded steel spindle with nickel plated steel spring handle. Furnished in sizes of 3 to 12 inch.

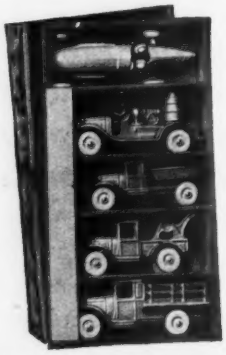
9100 Gem Mop. One of a complete line of Household and Janitor Mop Sticks.

ARCADE CAST IRON TOYS

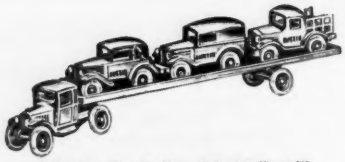
Every Arcade Toy bears the Arcade Label . . . our guarantee of quality and value.



871 Bowling Alley. One of the Arcade games that instantly appeals to grown-ups and children alike. Furnished in three sizes. Other popular wood games are the Arcade artillery game and the Rifle Range game. Catalog 40 illustrates the complete line. Write for it today.



3500 Assortment with Rubber Wheels. Durable construction, skillful design, bright appealing colors. Ask your Jobber for prices, and write us for Catalog 40 giving complete information.



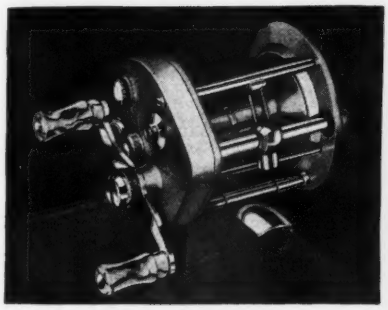
2970 Carry Car Trailer. A best-seller with lots of appeal and play-value. Furnished in three sizes to retail at 50c., $1.00 and $2.00. All equipped with latest style rubber disc wheels.

ARCADE MANUFACTURING COMPANY

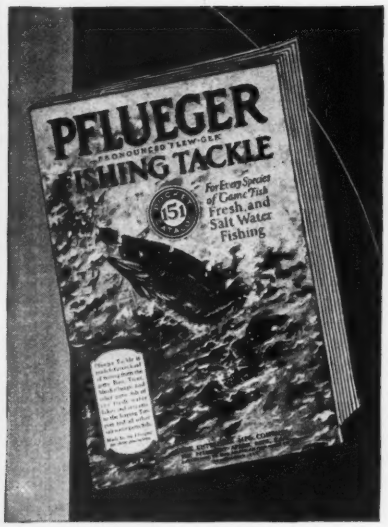
FREEPORT, ILLINOIS

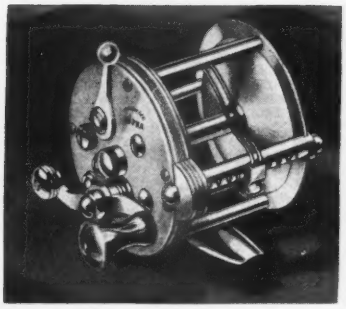
PFLUEGER FISHING TACKLE

PRONOUNCED "FLEW-GER"

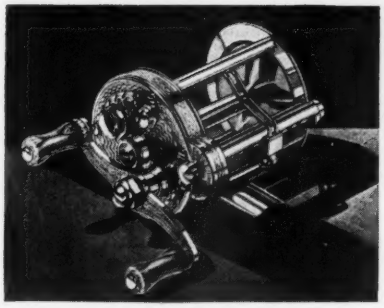


No. 1573—Pflueger **SUPREME** Level Wind and Anti-back-lash Reel—**$25.00**





No. 1335—Pflueger **NORKA** Free Spool, Level Wind and Anti-back-lash Reel—**$12.00**

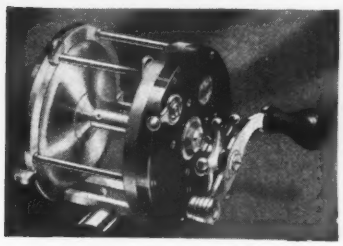


No. 1993—Jeweled. Pflueger **SUMMIT** Level Wind and Anti-back-lash Reel—**$10.00**

Pflueger Pocket Catalog—

The Fishing Guide That Brings Customers

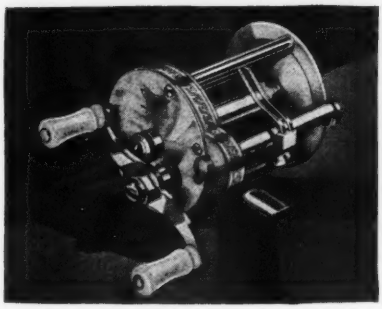
We supply this great sales promoter for free distribution to your trade, with your name printed on the cover. It contains a wealth of information for fishermen—Don't pass up this opportunity to increase your demand for Pflueger Tackle.



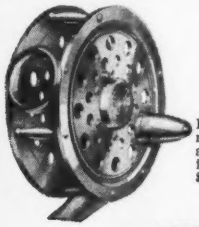
Pflueger, ATLAPAC Reel

For Light, Medium or Heavy Salt Water Fishing

No. 1640—Size 4-0.....Price $65.00
No. 1660—Size 6-0.....Price 85.00
No. 1690—Size 9-0.....Price 100.00



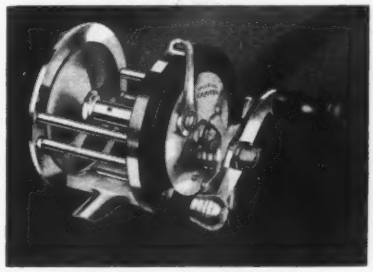
No. 1893—Jeweled Pflueger **AKRON** Level Wind and Anti-back-lash Reel—**$5.00**



Pflueger MEDALIST Reel
For Trout and Salmon

Right and left hand models. Satin Nickalum, Gun Metal Finish. 3 sizes—Prices **$4.50** to **$8.00** each.

Pflueger MUSKILL Bait
Sizes 7-9-12—Prices **50c-75c-$1.00** each.



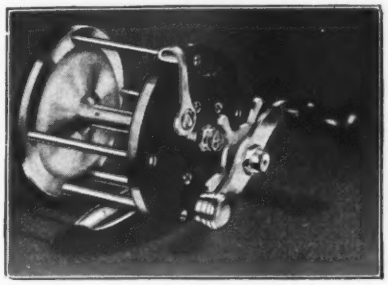
Pflueger CAPITOL Reel
Double Multiplying Free Spool

With internal multiple disc Star Wheel Drag. A few turns of the knurled screw on edge of front plate and a slight backward turn of the plate takes the reel apart quickly.

No 1988—Price $10.00

Pflueger LIVEWIRE Minnow
Sizes 3½" and 5". Prices **$1.00** and **$1.25**

Pflueger TANDEM Spinner (Luminous)
Six Sizes 3/0 to 3—Prices **35c-75c** each.



Pflueger OHIO Reel
Double Multiplying Free Spool

With internal multiple disc Star Wheel Drag.

No. 1978—Price $6.50

Pflueger O'BOY Spinner
Weedless Weight ⅝ oz. Price **50c**

Pflueger PAL-O-MINE Minnow
Sizes 2¾"-3¼"-4¼"—Prices **65c-75c-90c** each.

NOTICE—Send for our TRADE CATALOG No. 53 and information concerning our FREE ADVERTISING DISPLAYS AND SALES HELPS.

THE ENTERPRISE MFG. COMPANY

Akron Fishing Tackle Works, Inc. - Dept. HA - E. A. Pflueger, *Pres.*

Akron - - - - Ohio

Remington KLEANBORE CARTRIDGES

RIM FIRE CARTRIDGES

Caliber	
.22	(B.B.) Bullet Breach Caps
.22	(C.B.) Conical Bullet Caps
*.22	Short
*.22	Short, Hollow Point
*.22	Short, Hi-Speed
*.22	Short, Hi-Speed, Hollow Point
*.22	Long
*.22	Long, Hollow Point
*.22	Long, Hi-Speed
*.22	Long, Hi-Speed, Hollow Point
*.22	Long Rifle
*.22	Long Rifle, Hollow Point
*.22	Long Rifle, Palma Match, Lesmok *Lead Lubricated,* for fine tar. shtg.
*.22	Long Rifle, Palma, *Lead Lubricated,* for fine target shooting
*.22	Long Rifle, Palma, Hi-Speed *Lead Lubricated,* for fine tar. shtg.
*.22	Long Rifle, Hi-Speed
*.22	Long Rifle, Hi-Speed, Hollow Point
*.22	Extra Long
*.22	W.R.F. (Rem. Spec.), *Silvadry Inside Lubricated*
.22	W.R.F. (Rem. Spec.), Hollow Point, *Silvadry Inside Lubricated*
.22	W.R.F. (Rem. Spec.), Hi-Speed, *Silvadry Inside Lubricated*
.22	W.R.F. (Rem. Spec.), Hi-Sp. Hol. Pt., *Silvadry Inside Lubricated*
.22	Remington Autoloading
.22	Remington Autoloading, Hollow Point
.22	Winchester Automatic
.22	Winchester Automatic, Hollow Point
.25	Stevens Short
.25	Stevens
.32	Short
.32	Long
*.38	Short
.41	Short
.41	Swiss
*.44	Henry Flat

CENTER FIRE CARTRIDGES

Caliber		Style of Bullet	Bullet Weight Grains
5.5 m/m	Velo Dog, Oil-Proof	M. C.	45
*.22	Winchester, Single Shot	Lead	45
.22	Hornet Hi-Speed Mushroom	Mush.	45
.22	Savage, High Power, Pointed	M. C.	70
.22	Savage, High Power, Mushroom	Mush.	70
6 m/m	U. S. Navy	S. P.	112
6.5 m/m	Mannlicher Schoenauer	S. P.	150
*.25-20	Stevens & Winchester, Single Shot	Lead	86
.25-20	Stevens & Winchester, Single Shot	S. P.	86
*.25-20	Winchester-Marlin-Remington	Lead	86
.25-20	Winchester-Marlin-Remington	Lead	86
.25-20	Winchester-Marlin-Remington	M. C.	86
.25-20	Winchester-Marlin-Remington	S. P.	86
.25-20	Winchester-Marlin-Rem.Hi-Sp.Mushroom	Mush.	60
.25-20	Win.-Mar.-Rem.-Hi-Speed Metal Case	M. C.	60
.25(6.35 m/m)	Automatic Pistol, Oil Proof	M. C.	50
.25	Remington	S. P.	117
.25	Remington, Hi-Speed, Mushroom	Mush.	87
.25	Remington, Express, Mushroom	Mush.	117
.25-35	Winchester & Savage	M. C.	117
.25-35	Winchester & Savage	S. P.	117
.25-35	Winchester & Savage Hi-Speed Mushroom	Mush.	87
.25-35	Winchester & Savage Express, Mushroom	Mush.	117
.25-36	Marlin	S. P.	117
.250	Savage, Pointed	M. C.	87
.250	Savage, Mushroom	Mush.	87
.250	Savage, Express Mushroom	Mush.	100
.270	Winchester Hi-Speed Mushroom	Mush.	130
7 m/m	Mauser	M. C.	175
7 m/m	Mauser	S. P.	175
7 m/m	Mauser Hi-Speed Mushroom	Mush.	139
7 m/m	Mauser Express Mushroom	Mush.	175
.30(7.63 m/m)	Mauser Automatic Pistol, Oil-Proof	M. C.	85
.30(7.63 m/m)	Mauser Automatic Pistol, Oil-Proof	S. P.	90
.30(7.65 m/m)	Luger Automatic Pistol, Oil-Proof	M. C.	93
.30(7.65 m/m)	Luger Automatic Pistol, Oil-Proof	S. P.	93
.30(7.65 m/m)	Luger Automatic Pistol, Oil-Proof	Hol. Pt.	93
.30-30	Win., Mar. & Sav	M. C.	160
.30-30	Win., Mar. & Sav	S. P.	170
.30-30	Win., Mar. & Sav. Hi-Speed Mushroom	Mush.	110
.30-30	Win., Mar. & Sav. Express Mushroom	Mush.	165
.30	Remington	M. C.	160
.30	Remington	S. P.	170
.30	Remington Hi-Speed Mushroom	Mush.	110
.30	Remington Express Mushroom	Mush.	165
.30-40	Krag & Winchester	S. P.	220
.30-40	Krag & Win. Hi-Speed Bronze Pt.	Exp'g	180
.30-40	Krag & Win.	S. P.	180
.30-40	Krag & Win. Express Mushroom	Mush.	220
.30-40	Krag & Win. Express, Metal Case	M. C.	220
.30	Springfield '03	S. P.	220
.30	Springfield '06 Pointed-Taper Heel	M. C.	172
.30	Springfield '06	S. P.	190
.30	Springfield '06	S. P.	220
.30	Spring'd '06 Hi-Sp. Bronze Ptd. Expanding	Exp'g	150
.30	Spring'd '06 Hi-Spd. Bronze Ptd. Expanding	Exp'g	180
.30	Springfield '06	S. P.	180
.30	Springfield '06 Hi-Speed Mush. (3500 F.S.)	Mush.	110
.30	Springfield '06 Express Mush.	Mush.	220
.30	Springfield '06 Express Metal Case	M. C.	220
7.62 m/m	Russian, Bronze Pointed Expanding	Exp'g	150
.300	Savage, Bronze Pointed Expanding	Exp'g	150
.300	Savage	S. P.	180
.300	Savage, Pointed	M. C.	150
.303	Savage	M. C.	182
.303	Savage	S. P.	195
.303	British	M. C.	215
.303	British	S. P.	215
7.65 m/m	Mauser (Rifle)	S. P.	216
8m/m(7.9m/m)	Mauser & Mannlicher	S. P.	236
8m/m(7.9m/m)	Special	S. P.	170
8m/m	Lebel	S. P.	170
*.32	Smith & Wesson, Oil-Proof	Lead	88
.32	Smith & Wesson, Oil-Proof	Lead	88
.32	Smith & Wesson, Oil-Proof	Met. Pt.	85
*.32	Smith & Wesson, Long, Oil-Proof	Lead	98
.32	Smith & Wesson, Long, Oil-Proof	Lead	98

CENTER FIRE CARTRIDGES—Cont'd

Caliber		Style of Bullet	Bullet Weight Grains
.32	Smith & Wesson, Long, Oil-Proof	Met. Pt.	95
.32	Short Colt, Oil-Proof	Lead	80
*.32	Short Colt, Oil-Proof	Lead	80
*.32	Long Colt, Oil-Proof	Lead	82
.32	Long Colt, Oil-Proof	Lead	82
*.32	Colt New Police (Police Posi.), Oil-Proof	Lead	100
.32	Colt New Police (Police Posi.), Oil-Proof	Lead	100
.32	Colt New Police (Police Posi.), Oil-Proof	Met. Pt.	98
.32	Colt New Police, Mid Range, Oil-Proof	Lead	100
.32(7.65m/m)	Automatic Pistol, Oil-Proof	M. C.	71
*.32	Winchester-Marlin-Remington, Oil-Proof	Lead	100
.32	Winchester-Marlin-Remington, Oil-Proof	Lead	100
.32	Winchester-Marlin-Remington, Oil-Proof	M. C.	100
.32	Winchester-Marlin-Remington, Oil-Proof	S. P.	100
.32	Win.-Mar.-Rem. Hi-Speed, Mushroom	Mush.	80
.32	Special Winchester-Marlin	M. C.	168
.32	Special Winchester-Marlin	S. P.	170
.32	Special Win.-Mar. Hi-Speed Mushroom	Mush.	110
.32	Special Win.-Mar. Express Mushroom	Mush.	165
.32	Winchester Self-Loading	S. P.	165
.32	Remington	S. P.	170
.32	Remington Hi-Speed Mushroom	Mush.	110
.32	Remington Express Mushroom	Mush.	165
*.32-40	Winchester-Marlin-Savage	Lead	165
.32-40	Winchester-Marlin-Savage	S. P.	165
.32-40	Winchester-Marlin-Savage, Hi-Power	S. P.	165
.33	Winchester	S. P.	200
.35	Winchester, Self-Loading Rifle	S. P.	180
.351	Winchester Self-Loading Rifle	M. C.	177
.351	Winchester Self-Loading Rifle	S. P.	180
.35	Winchester	S. P.	250
.35	Remington	S. P.	200
.35	Remington Hi-Speed, Mushroom	Mush.	150
.35	Remington Express, Mushroom	Mush.	200
.35	Smith & Wesson Automatic, Oil-Proof	Met. Pt.	76
9 m/m	Luger Auto Pistol, Oil-Proof	M. C.	124
9 m/m	Luger Auto Pistol, Oil-Proof	Hol. Pt.	124
.380 (9 m/m)	Automatic Pistol, Oil-Proof	M. C.	95
.38	Super Automatic Colt Pistol, Oil-Proof	M. C.	130
.38	Super Automatic Colt Pistol, Oil-Proof	Mush.	130
*.38	Smith & Wesson, Oil-Proof	Lead	146
.38	Smith & Wesson, Oil-Proof	Lead	146
.38	Smith & Wesson, Oil-Proof	Met. Pt.	143
*.38	Smith & Wesson, Special, Oil-Proof	Lead	158
.38	Smith & Wesson, Special, Oil-Proof	Lead	158
.38	Smith & Wesson, Special, Oil-Proof	Lead	200
.38	Smith & Wesson, Special, Oil-Proof	Met. Pt.	158
.38	S.&W. Sp. Mid Rge. Sharp Shldr. Bul., O.-P.	Lead	146
.38	S. & W. Spec., Target 50 yards, Oil-Proof	Lead	130
.38-44	S. & W. Special, Oil-Proof	Lead	158
.38-44	S. & W. Special, Oil-Proof	Met. Pt.	158
*.38	Colt New Police (Police Posi.), Oil-Proof	Lead	150
.38	Colt New Police (Police Posi.), Oil-Proof	Lead	150
*.38	Short Colt, Oil-Proof	Lead	125
.38	Short Colt, Oil-Proof	Lead	125
*.38	Long Colt, Oil-Proof	Lead	150
.38	Long Colt, Oil-Proof	Lead	150
*.38	Colt Special, Oil-Proof	Lead	158
.38	Colt Special, Oil-Proof	Lead	158
.38	Colt Special Hi-Speed, Oil-Proof	Lead	158
.38	Colt Special Hi-Speed, Oil-Proof	Met. Pt.	158
9 m/m	Mauser & Mannlicher	S. P.	280
*.38	Winchester-Marlin-Remington, Oil-Proof	Lead	180
.38	Winchester-Marlin-Remington, Oil-Proof	M. C.	180
.38	Winchester-Marlin-Remington, Oil-Proof	S. P.	180
.38	Win.-Mar.-Rem., Hi-Speed, Mushroom	Mush.	130
*.38-55	Winchester-Marlin-Savage	Lead	255
.38-55	Winchester-Marlin-Savage	S. P.	255
.38-55	Winchester-Marlin-Savage, High Power	S. P.	255
.38-56	Winchester & Marlin	S. P.	255
*.40-60	Winchester	Lead	210
.40-65	Winchester & Marlin	S. P.	260
.40-72	Winchester	S. P.	330
.40-82	Winchester & Marlin	S. P.	260
.401	Winchester Self-Loading, Rifle	S. P.	200
.401	Winchester Self-Loading, Rifle	S. P.	250
.405	Winchester	S. P.	300
*.41	Short Colt, Oil-Proof	Lead	163
.41	Short Colt, Oil-Proof	Lead	163
*.41	Long Colt, Oil-Proof	Lead	195
.41	Long Colt, Oil-Proof	Lead	195
*.43	Egyptian (Beaumont)	Lead	400
*.43	Spanish	Lead	375
*11 m/m	Mauser (.43 Caliber)	Lead	386
*.44	Smith & Wesson, American, Oil-Proof	Lead	218
*.44	Smith & Wesson, Russian, Oil-Proof	Lead	246
.44	Smith & Wesson, Russian, Oil-Proof	Lead	246
*.44	Smith & Wesson, Special, Oil-Proof	Lead	246
.44	Smith & Wesson, Special, Oil-Proof	Lead	246
.44	Smith & Wesson, Special, Oil-Proof	Met. Pt.	246
*.44	Colt, Old Model, Oil-Proof	Lead	210
*.44	Winchester-Marlin-Remington, Oil-Proof	Lead	200
.44	Winchester-Marlin-Remington, Oil-Proof	M. C.	200
.44	Winchester-Marlin-Remington, Oil-Proof	S. P.	200
.44	Win.-Mar.-Rem., Hi-Sp., Mush., Oil-Proof	Mush.	140
.44	Marble Game Getter	Lead	115
*.44	Webley, Oil-Proof	Lead	200
*.44	Bull Dog, Oil-Proof	Lead	170
*.45	Webley, Oil-Proof	Lead	230
*.45	Smith & Wesson, Oil-Proof	Lead	250
*.45	Colt, Oil-Proof	Lead	250
.45	Colt, Oil-Proof	Lead	250
.45	Colt Auto Pistol, Oil-Proof	M. C.	230
.45	Auto Rim, Oil-Proof	M. C.	230
.45	Auto Rim, Oil-Proof	Lead	230
*.450	Revolver, Oil-Proof	Lead	225
.455	Webley Mark II, Oil-Proof	Lead	266
*.45-60	Winchester	Lead	300
*.45-70	Government, Flat Point	Lead	405
.45-70	Government, Flat Point	S. P.	435
.45-70	Winchester & Marlin, High Velocity	S. P.	300
.45-90	Winchester & Marlin	S. P.	300
*.50-70	Government	Lead	450

*Not Kleanbore

Remington KLEANBORE SHOT SHELLS

NITRO EXPRESS LOADS

LONG RANGE SHOTGUN SHELLS

Gauge	Length of Shell, In.	Shot Sizes
10	2⅞	BB 2 4 5 6 Ch.
12	2¾	BB 2 4 5 6 7 7½ Ch.
16	2 9/16	BB 2 4 5 6 7 7½ 8 9 Ch.
20	2¾	BB 2 4 5 6 7 7½ 8 9 Ch.
410	2½	4 5 6 7½ 8 9 10 Ch.
	AUTO EXPRESS	
16	2¾	BB 2 4 5 6 7 7½ 8 Ch.
	NITRO EXPRESS	
	BUCKSHOT AND SINGLE BALL	
10	2⅞	0 Buck (16 Pellets)
12	2¾	Single Ball-00-0-1-4 Buck
16	2 9/16	Single Ball-1 Buck (12 Pellets)
20	2¾	Single Ball-3 Buck (24 Pellets)
410	2½	Single Ball

SHUR SHOT SHELLS

HIGH QUALITY—LOW PRICES

Load No.	Equiv Charge of Powder Drams	Weight of Shot, Oz.	Size of Shot
	12 GAUGE—2⅝ INCH		
S3	2¼	1	6 8 10 Soft
S6	3	1	4 5 6 7 8 9 Soft
S7	3	1⅛	4 5 6 7 8 10 Soft
S7	3	1⅛	4 5 6 7½ 9 Ch.
S7	3	1⅛	7½ Ch.
S8	3	1¼	7½ 8 Ch.
S9	3¼	1⅛	2 4 5 6 7 8 Soft
S9	3¼	1⅛	BB
S9	3¼	1⅛	4 5 6 7½ Ch.
S10F	3½	1¼	BB 2 4 5 6 7 Ch.
	16 GAUGE—2 9/16 INCH		
S20	2½	1	4 5 6 7 8 10 Soft
*S20	2½	1	4 5 6 7½ 9 Ch.
S20A	2¾	1	4 5 6 7 7½ Ch.
	20 GAUGE—2½ INCH		
S23	2¼	⅞	4 5 6 7 8 10 Soft
S23	2¼	⅞	4 5 6 7½ 9 Ch.

TRAP LOADS

Gauge	Length of Shell, Inches	Name of Load	Shot Sizes
		KLEANBORE—GREEN SHELLS	
*12	2¾	Remington Trap Load (Nitro Club)	7½ 8 Ch.
12	2¾	Shur Shot Target Load	7½ 8 Ch.
*12	2¾	Remington Trap Load (Nitro Club) Coppered Shot	7½ 8 Ch.
*12	2¾	Remington Handicap Trap Load (Nitro Club) Coppered Shot	7½ 8 Ch.
**16	2¾	Remington Trap Load (Nitro Club) 3x1¼	7½ 8 Ch.
**20	2¾	Remington Trap Load (Nitro Club) 2½x1	7½ 8 Ch.
20	2½	Shur Shot S23 Load 2¼x⅞	7½ Ch.
		KLEANBORE—RED SHELLS	
*12	2¾	Nitro x 4 Load 2¾x1⅛	7½ 8 Ch.
*12	2¾	Nitro x 7 Load 3 x1⅛	7½ 8 Ch.
*12	2¾	Nitro x 8 Load 3 x1¼	7½ 8 Ch.
*12	2¾	Nitro x 8A Load 3⅛x1¼	7½ 8 Ch.
*12	2¾	Arrow 7 Load 3x1⅛	7½ 8 Ch.
*12	2¾	Arrow 8 Load 3x1¼	7½ 8 Ch.

*Choice of Dupont, E. C. or Hercules Bulk Powder.
**Loaded with Progressive Burning Powder only.

ARROW EXPRESS LOADS

(LACQUERED)

LONG RANGE—FINEST SHELL MADE

Gauge	Length of Shell, In.	Shot Sizes
12	2¾	BB 2 4 5 6 7 Ch.
16	2 9/16	4 5 6 7 7½ 8 Ch.
20	2¾	4 5 6 7 7½ 8 Ch.

Also supplied in Coppered Shot.

ARROW SPECIFIED LOADS

RED SHELLS POWDER BRAND NOT SHOWN

Load No.	Equiv. Charge of Powder Drams	Weight of Shot, Oz.	Size of Shot
	12 GAUGE—2⅝ INCH		
7	3	1⅛	4 5 6 7 8 Soft
*7	3	1⅛	4 5 6 7½ 8 Ch.
*8	3	1¼	7½ 8 Ch.
9	3¼	1⅛	4 5 6 7 Soft
9	3¼	1⅛	2 4 5 6 7½ Ch.
*10	3¼	1¼	4 5 6 7½ Ch.
*10A	3½	1⅛	2 4 5 6 7 7½ Ch.
*10F	3½	1¼	2 4 5 6 7 Ch.
*10F	3½	1¼	BB
	16 GAUGE—2 9/16 INCH		
20A	2¾	1	4 6 8 Soft
20A	2¾	1	4 5 6 7½ 8 Ch.
	20 GAUGE—2½ INCH		
23	2¼	⅞	4 6 8 Soft
23	2¼	⅞	4 5 6 7½ 8 Ch.
*23G	2½	1	4 5 6 7½ Ch.

*Load 7 in 7½ and 8 Ch. Shot supplied in 2¾ inch (Light Trap Load) as well as 2⅝ inch. Loads 8, 10, 10A, 10F and 23G in 2¾ inch only. Load 23G supplied only in progressive burning powder.

NEW CLUB SHELLS

NOT KLEANBORE—BLACK POWDER—SOFT SHOT

	12 GAUGE—2⅝ INCH		
102-108	3	1	2 4 5 6 7 8 Soft
124-126	3¼	1⅛	4 5 6 Soft
120BB	3¼	1⅛	BB
	10 GAUGE—2⅞ INCH		
244-246	4	1⅛	4 6 Soft
	16 GAUGE—2 9/16 INCH		
534-536	2½	⅞	4 5 6 Soft
	20 GAUGE—2½ INCH		
744-746	2½	⅞	4 6 Soft

NEW CLUB BLANK LOADS

(Not Kleanbore) Saluting Charge

10 Gauge	8 Drams	Black Powder
12 Gauge	6 Drams	Black Powder

SKEET LOADS

REMINGTON SKEET LOADS (Nitro Club), 9 Ch.
Supplied in 12, 16 and 20 gauge; 2¾" shell. 2 9/16, and 2½.

SHUR SHOT SKEET LOAD—9 Ch.
Supplied in 12, 16 and 20 gauge; 2⅝", 2 9/16", and 2½" shells.

GAME LOADS

Gauge	Length of Shell, In.	Shot Sizes
12	2⅝	4 5 6 7 7½ 8 9 10 Ch.
12	2⅝	4 5 6 7 7½ 8 9 10 Soft
16	2 9/16	4 5 6 7 7½ 8 9 10 Ch.
16	2 9/16	4 5 6 7 7½ 8 9 10 Soft
20	2½	4 5 6 7 7½ 8 9 10 Ch.
20	2½	4 5 6 7 7½ 8 9 10 Soft

RECOMMENDED SHOT SIZES

Ducks	4 5 6 7 7½ Shot
Crows	4 5 6 7 Shot
Rabbit, Squirrel, Grouse	6 7 7½ Shot
Partridge, Pheasant or Prairie Chicken	6 7 7½ Shot
Quail or Doves	7 7½ 8 Shot
Snipe, Woodcock, Plover, Rail or Reed Birds	7½ 8 9 10 Shot

NITRO CLUB SPECIFIED LOADS

RED SHELLS—POWDER BRANDS NOT SHOWN

Load No.	Equiv. Charge of Powder Drams	Weight of Shot, Oz.	Size of Shot
	12 GAUGE—2⅝ INCH		
X4	2¾	1⅛	7½ 8 Ch.
X6	3	1	4 5 6 7 8 9 Soft
X7	3	1⅛	4 5 6 7 7½ 8 9 10 Soft
X7	3	1⅛	4 5 6 7 7½ 8 9 10 Ch.
X8	3	1¼	7½ 8 Ch.
X8A	3⅛	1¼	7½ 8 Ch.
X9	3¼	1⅛	4 5 6 7 7½ 8 9 Soft
X9	3¼	1⅛	2 4 5 6 7 7½ 8 9 Ch.
X10	3¼	1¼	4 5 6 7½ Ch.
X10A	3½	1⅛	2 4 5 6 7 7½ Ch.
X10F	3½	1¼	2 4 5 6 7 Ch.
X10F	3½	1¼	BB
X10P	3¾	1¼	2 4 5 6 7 Ch.
	10 GAUGE—2⅞ INCH		
X17	4¼	1¼	4 6 Soft
X17	4¼	1¼	4 5 6 Ch.
	16 GAUGE—2 9/16 INCH		
X20	2½	1	4 5 6 7 7½ 8 9 10 Soft
X20	2½	1	4 5 6 7½ 8 9 Ch.
X20A	2¾	1	4 5 6 7 7½ 8 9 10 Soft
X20A	2¾	1	4 5 6 7 7½ 8 9 10 Ch.
X20G	3	1	4 5 6 7½ Ch.
	20 GAUGE—2½ INCH		
X23	2¼	⅞	4 5 6 7½ 8 9 10 Ch.
X23	2¼	⅞	4 5 6 7 7½ 8 9 10 Soft
23G	2½	1	4 5 6 7½ 8 Ch.
	28 GAUGE—2½ INCH		
X25	1¾	⅝	4 6 7½ Ch.
X28	2	¾	4 5 6 7 8 9 Ch.

SCATTER LOADS

FOR BRUSH OR CLOSE-UP SHOOTING

	12 GAUGE—2¾ INCH		
SLX7	3	1⅛	6 7½ 8 Soft
SLX7	3	1⅛	6 7½ 8 9 Ch.
	16 GAUGE—2 9/16 INCH		
SLX20	2½	1	8 9 Soft
SLX20	2½	1	6 7½ 8 9 Ch.
	20 GAUGE—2½ INCH		
SLX23	2¼	⅞	8 9 Soft
SLX23	2¼	⅞	6 7½ 8 9 Ch.

Remington RIFLES

MODEL 34A
Bolt Action Repeating

SPECIFICATIONS: No. 34A. Take down, 24 inch round, tapered barrel. Genuine American Walnut, military type stock. Automatic shell ejector. Chromium plated bolt, bolt handle and trigger. Chambered to take without adjustment .22 Short, .22 Long and .22 Long Rifle, regular and Hi-Speed cartridges. Tubular magazine holds 22 Short, 17 Long or 15 Long Rifle cartridges. Shotgun style steel butt plate. White metal bead front sight; adjustable rear sight. Positive Safety. Double locking lugs. Length over-all 42¼ inches. Weight about 5¼ pounds.

SPECIFICATIONS: No. 33A. Single Shot Bolt Action, take down. Chromium plated bolt, bolt handle and trigger; 24 inch tapered barrel; full size, well shaped military style stock of genuine American Walnut with finger grooves in the fore-end; steel butt-plate. Chambered for .22 Short, Long and Long Rifle, regular or Hi-Speed cartridges. Automatic ejector. Step adjustable rear sight. White metal bead front sight. Important safety features including rebounding lock, double locking lugs, bolt safety for unloading. Length over-all 42 inches. Weight about 4½ pounds.

MODEL 33A
Bolt Action Single Shot

MODEL 12A
Slide Action Repeating

SPECIFICATIONS: No. 12A "Standard" Grade. Slide action, take down, hammerless, solid breech; 22 inch round barrel; straight grip, walnut stock fitted with rubber butt plate. Chambered to take ***without adjustment*** .22 Short, .22 Long and .22 Long Rifle cartridges, including Kleanbore Hi-Speed. Magazine holds 15 Short, 12 Long or 10 Long Rifle cartridges. May also be had for .22 Short cartridge only. Rear sight with screw adjustment for elevation. White metal bead front sight. Length taken down, 25½ inches. Weight 4½ pounds.

SPECIFICATIONS: No. 24A "Standard" Grade. Autoloading, take down, hammerless, solid breech; 21 inch round barrel. Half pistol grip stock of American Walnut, steel butt plate. Chambered for regular .22 Short, also for .22 Long Rifle cartridge, and will handle Kleanbore Hi-Speeds. (When ordering, SPECIFICALLY MENTION CALIBER WANTED, EITHER .22 SHORT OR .22 LONG RIFLE.) .22 Short magazine holds 15 cartridges. .22 Long Rifle magazine holds 10 cartridges. Rear sight with screw adjustment for elevation. White metal bead front sight. Length taken down 21 inches. Weight about 5 pounds.

MODEL 24A
Autoloading

MODEL 25A
Slide Action Repeating

SPECIFICATIONS: No. 25A "Standard" Grade. Slide action, take down, hammerless, solid breech; 24 inch round barrel. American Walnut stock and fore-end. Half pistol grip; rifle style steel butt plate. Chambered for .25-20 or .32 Win. Mar. and Rem. center fire Hi-Speed and regular cartridges. Magazine holds 10 cartridges loaded through door on right side of action bar. Opening shows whether magazine is loaded or empty. Cross bolt safety. Rear sight step adjustable buckhorn. White metal bead front sight. Length taken down 28 inches. Weight about 5½ pounds.

SPECIFICATIONS: No. 14A "Standard" Grade. Slide action, take down, hammerless, solid breech; 22 inch barrel; American Walnut stock and fore-end. Half pistol grip, rifle style steel butt plate. Step adjustable buckhorn rear sight and white metal bead front sight. Magazine holds 5 cartridges which, with one in the chamber, gives a capacity of 6 shots. Length taken down 27½ inches. Weight about 6¾ pounds.

MODEL 14A
Slide Action Repeating

MODEL 30A
Bolt Action Repeating

SPECIFICATIONS: No. 30A "Standard" Bolt Action. 22 inch barrel; American Walnut stock, pistol grip and fore-end finely checkered. Rifle style steel butt plate grooved to prevent slipping. Rifle cocks on opening movement of bolt. Top of receiver matted. Short, snappy, light, single trigger pull. Thumb operated safety. Buckhorn adjustable rear sight with gold bead front sight. Receiver drilled and tapped for Lyman No. 48R micrometer wind gauge receiver sight. Length over-all 42¾ inches. Magazine holds 5 cartridges. Weight about 7¼ pounds.

SPECIFICATIONS: No. 8A "Standard" Grade Autoloading, take down, hammerless, solid breech; 22 inch barrel, American Walnut straight grip stock (half pistol grip extra charge), fitted with rifle style steel butt plate. Trigger pull exceptionally light. Step adjustable buckhorn rear sight, white metal bead front sight. Magazine holds 5 cartridges. Length taken down 23 inches. Weight about 7¾ pounds.

MODEL 8A
Autoloading

REMINGTON ARMS COMPANY, Inc., BRIDGEPORT, CONN.

Remington SHOTGUNS

MODEL 11A
Autoloading

SPECIFICATIONS: No. 11A "Standard" Grade. Chambered for 2¾ inch shells. Take down, hammerless, solid breech. 12, 16 and 20 gauges, 5 shots. Cross bolt safety. Standard length barrel 28 inch; option of 26, 30 or 32 inch cylinder, modified or full choke. Top of receiver matted. American Walnut pistol grip stock, and fore-end, both finely checkered. Regular stock dimensions 14 inches long, 2½ inch drop at heel. 1⅝ inch drop at comb. Weight 12 gauge, about 7¾ pounds; 16 gauge, about 7 pounds; 20 gauge, about 6¾ pounds.

SPECIFICATIONS: The SPORTSMAN: Chambered for 2¾ inch shells. Take down, hammerless, solid breech. 12, 16 and 20 gauges, 3 shots. Cross bolt safety. 26, 28, 30 or 32 inch barrel; cylinder, modified or full choke. Top of receiver matted and both sides handsomely decorated. American Walnut pistol grip stock and fore-end, both finely checkered. Barrel and receiver in rich, glossy black finish. Regular stock dimensions, 14 inches long, 2½ inches drop at heel, 1⅝ inches at comb. Weight 20 gauge, about 6½ pounds; 16 gauge, about 7 pounds; 12 gauge, about 7¾ pounds.

"THE SPORTSMAN"
Autoloading

MODEL 31A
Slide Action Repeating

SPECIFICATIONS: No. 31A "Standard" Grade. Chambered for 2¾ inch shells. Side ejection. Take down, hammerless, solid breech top and rear, 12 gauge, 3 and 5 shots. Cross bolt safety. Standard length barrel 30 inches. Also furnished in 26, 28 or 32 inches. Cylinder, modified or full choke. Top of receiver matted. American Walnut half pistol grip stock and fore-end, both finely checkered by hand. Stock 14 inches long, 2½ inch drop at heel, 1⅝ inch drop at comb. Weight about 7½ pounds.

SPECIFICATIONS: No. 31TC "Target" Grade. Chambered for 2¾ inch shells. 3 or 5-shot capacity. Ventilated ribbed barrel; standard length 30 inches; option of 28 or 32 inches. Full choke, modified choke or cylinder bore. Front and rear sights. Specially designed fore-end (not extension type). Hawkins recoil pad. Checkered stock and fore-end of selected high grade walnut. Standard stock dimensions 14⅜ inches long over-all, 1⅞ inches drop at heel and 1½ inches drop at comb. Full pistol grip with rubber cap; option of straight grip. Weight about 8 pounds.

MODEL 31TC
Slide Action Repeating

MODEL 32A
Over-and-Under

SPECIFICATIONS: No. 32A "Standard" Grade. Chambered for 2¾ inch shells. Take down, hammerless. Automatic ejectors standard. 12 gauge only. Standard length barrel 30 inches; also furnished in 28 or 32 inches. Full choke, modified choke, improved cylinder or true cylinder bore. Standard boring—upper barrel full choke; lower barrel modified choke—furnished unless otherwise specified. Option of any other combination desired. Front trigger fires lower barrel. Selected high grade, curly walnut pistol grip stock and fore-end, both handsomely checkered. Top of main bolt is matted and both sides of frame are decorated. Regular stock dimensions 14 inches long from front trigger, 2½ inches drop at heel and 1⅝ inches drop at comb. Bakelite butt plate. Weight about 7½ pounds.

SPECIFICATIONS: No. 32TC "Target" Grade with raised ventilated matted rib. Chambered for 2¾ inch shells. Take down, hammerless. Automatic ejectors standard. 12 gauge only. Choice of 28, 30 or 32 inch barrels. Standard boring, both barrels full choke. Option of any other combination desired. Front and rear sights. Hawkins recoil pad. Selected, high grade, curly walnut stock and fore-end, both handsomely checkered. Top of main bolt is matted and both sides of frame are decorated. Standard stock dimensions 14⅜ inches long over-all, 1⅞ inches drop at heel and 1½ inches drop at comb. Full pistol grip with rubber cap; option of straight grip. Weight, about 8 pounds.

MODEL 32TC
Over-and-Under

REMINGTON ARMS COMPANY, Inc., BRIDGEPORT, CONN.

Remington CUTLERY DISPLAY TABLE

BOOST YOUR CUTLERY SALES

You'll find this merchandiser will give you the services of an extra salesman—one who is always on the job but never on the payroll.

Every item attractively displayed and plainly priced.
Convenient place for stock.
Protects stock, prevents theft.
Saves salespeople's time.
Lets customers sell themselves.
Speeds sales.
Provides efficient stock control, reduces investment, increases turnover.

Let the Remington Cutlery Display Table Make Your Store Cutlery Headquarters and Make—Bigger Profits

Constructed of steel—Finished in rich medium brown with N. R. H. A. orange colored display backgrounds. (Optional—any flat color standard with paint manufacturers.)

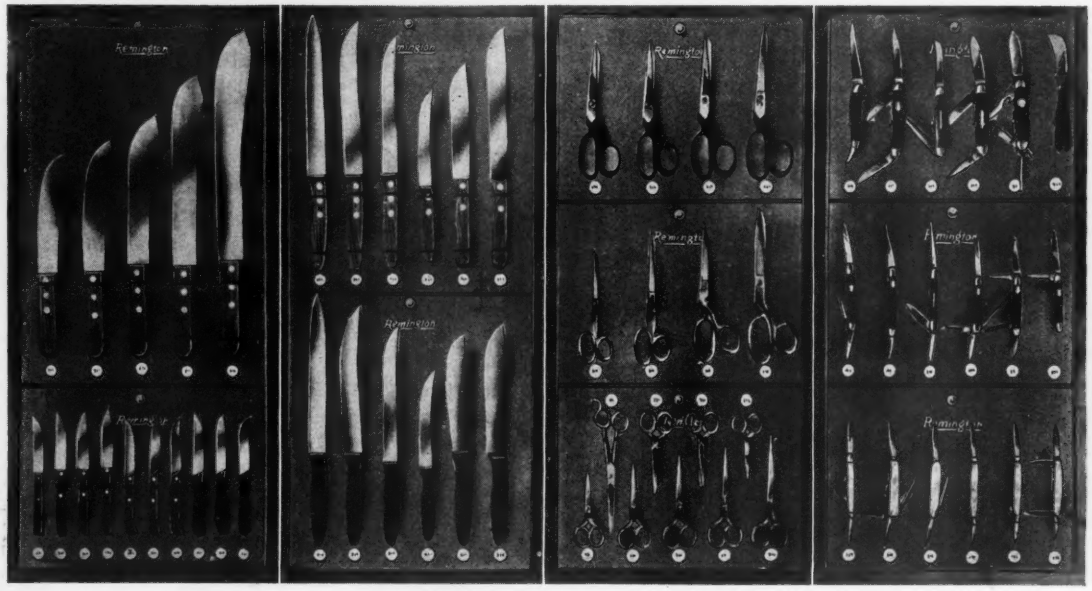
Table is 84¼ inches long, 31¼ inches wide and 36½ inches high. Top only is 6½ inches high outside. Table is shipped knocked down and crated flat. Easily put together.

No. C1193TGI table, closed ends,
No. C1199TGI table, open ends,
No. C1200TGI top only,
} Complete with glass sides and sliding top and six Remington Cutlery Display Inserts, as shown on next page. (Specify inserts wanted.)

THERE IS A WAY TO ACQUIRE ONE OF THESE CUTLERY TABLES AT A SUBSTANTIAL SAVING. SEE YOUR JOBBER OR WRITE US.

REMINGTON CUTLERY WORKS, BRIDGEPORT, CONN.

Remington CUTLERY DISPLAY INSERTS



No. D No. C No. B No. A

MODERNIZE YOUR STORE

THE flexibility of Remington Cutlery Display Inserts can be seen at a glance. Four are shown – six fill a case.

The suggested case consists of two No. A, showing 36 patterns of pocket knives (Patent No. 1704514); two No. B, holding 34 patterns of shears and scissors; one No. C, displaying 12 patterns of household knives, forks and spatulas; one No. D, in which are five sizes of butcher knives up to twelve-inch blade and 10 paring knives.

If it is desired to show more pocket knives, additional inserts can be ordered. If but 18 patterns are carried, only one insert is necessary. Shears and scissors can be increased or decreased in a like manner – likewise, household cutlery, butcher and paring knives.

Pocket knife samples are held in place by Remington patent invisible clips – balance of samples by black elastic run through eyelets. Each insert cover is easily removable by raising the brass knob. White celluloid buttons are furnished for front end of each tray, on which can be put number and price. Stock is carried in partitioned sections under lids.

Remington Cutlery Display Inserts are constructed entirely of steel with spot welded partitions and corners; tops and lids have turned edges; all finished in N.R.H.A. orange lacquer; size of each insert 29¼ inches long, 13⅝ inches wide, 2⁵⁄₁₆ inches high; each is packed in a fibre carton, weight 15 pounds.

Remington Cutlery Display Inserts can be used in table cases now in service – also new tables made by other makers to N.R.H.A. specifications.

THERE IS A WAY TO SECURE THESE AT A SUBSTANTIAL SAVING—SEE YOUR JOBBER OR WRITE US.

REMINGTON CUTLERY WORKS, BRIDGEPORT, CONN.

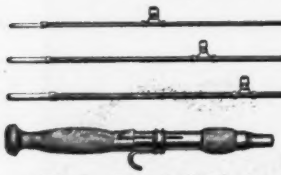
UNION HARDWARE COMPANY "UNION HARDWARE" SPORTING GOODS

Reg. U. S. Pat. Off.

A well-known, popular-priced line of attractive Sporting Goods that are noted for quality, service and satisfaction.

Union Hardware Tools are also a dependable line that retail at popular prices, please customers and are profitable for dealers to handle.

Fishing Rods



No. 47

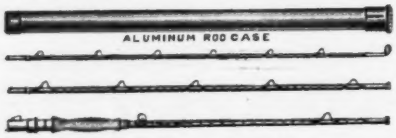
"Union" Steel Casting Rod

Three joints, black enamel finish, nickel plated trim; large agatized guides, offset agatized top. Individually in khaki bag. Lengths, 4, 4½, 5, 5½ and 6 ft. 18 other styles.

No. 5

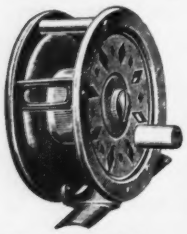
"Union" Steel Fly Rod

Three joints. Full nickel-silver trim. Solid cork grip. Reinforced tapered joints. Finish, heavy black enamel. Hardened steel snake guides and one ring top; long nickel-silver ferrules. In partitioned khaki bag. Lengths: 8½, 9, 9½, and 10 ft.



No. 168-B "Union" Split Bamboo Fly Rod

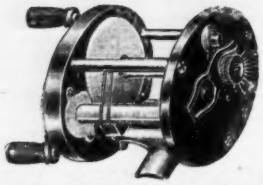
Three joints and extra tip. Solid cork grip. Full nickel-silver trim. Serrated ferrules. Green and white silk windings. Hardened steel snake guides. Perfection fly top. Waterproof varnish finish. In khaki bag in aluminum rod case. Lengths: 8, 8½, 9 and 9½ ft. 17 other styles.



"Union" Fishing Reel

A strong, sturdy, light weight Duralumin Fly Reel. Carries full yardage of line. Permanent click, three adjustable wearing points. Line guide for heavy wear. Removable spool. Gun metal finish. Packed 1 in box. 10 other styles.

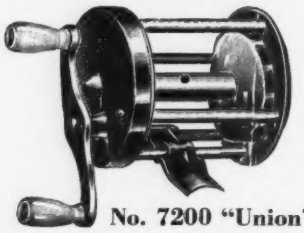
No. 7169 Fly



No. 7505 "Union"

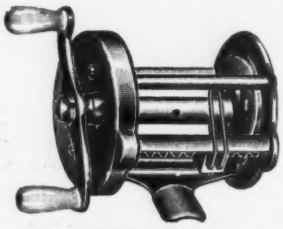
New type level winding reel, quadruple multiplying, bakelite end plates. Adjustable jewel bearings. Improved tension springs to lock oil caps. Balanced crank with imitation horn handles. Adjustable click. Exposed metal chromium plated. Capacity 60-80 yards. Packed 1 in box.

"Union" Fishing Reels



No. 7200 "Union"

A quadruple multiplying all-purpose reel. 1½ in. spool, highly finished; well balanced double handle, smooth running with click and drag. Capacity 60-80 yds. Packed 1 in box.

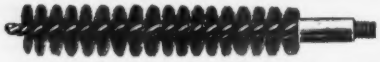


No. 7225 "Union"

A level winding reel of quality. Nickel plated, satin finish. Quardruple multiplying with click. A well balanced double handle. Free running and durable. Capacity 80 yards. Packed 1 in box.

Eureka Shot-Gun Cleaning Rod

Three-jointed rods, with wool swab 202E, wire scratch-brush 212E and wiper 232E. No. 95 — Birch wood rod, brass trimmings and implements, 10 to 28 ga. .410 gauge (.36 ga.) Specify ga. wanted. Packed one in envelope, one doz. in box.



Rifle Cleaning Brushes

Regularly furnished for No. 141B Rod.

246 Bristle Brush with twisted brass core and shank, .22 to .50 caliber.

246B Brass Wire Brush with twisted core and shank, .22 to .50 caliber.
Packed one dozen in a box.

Also Brass Rod Revolver Cleaners with Brass Wire Brush. 1 doz. in box.

"UNION" ROLLER SKATES

No. 5 for Boys and Girls

Ball Bearing steel rolls. Trucks are oscillating with best rubber cushions, turn in 3 ft. circle. Straps best grain leather. Extend from 8¼ to 10¾ ins. Weight per pair 4½ lbs. 12 pairs in carton. 100 pairs in case.

No. 130

For men, ball bearing, steel rolls. Half-strap leather heel. Oscillating trucks. Nickel plated. Extend from 8¼ to 10¾ ins. No. 130L for women. Same as above, except with full strap leather heel and narrow toe clamps. Extend from 7¾ to 10 ins. Also for boys and girls.

Model of Nos. 1624, 1624½, 1724½

Men's Screw Clamp Skates

Style shown No. 1624. Top plates and clamps, best cold rolled steel. Runners fine steel polished. No. 1624½ same, except nickel plated. No. 1724½ same, except high carbon steel runners. Sizes 8 to 12 in. Packed 1 pr. in paper.

Ladies' Screw Clamp Skates

Model of Nos. 5624, 5624½, 5724½

No. 5624. Russet leather back and strap. Top plates and clamps best cold rolled steel. Runners, fine steel, polished. No. 5624½, same, except nickel plated. No. 5724½, same, except high carbon steel runners. Sizes 8 to 11 ins. Packed 1 pr. in paper.

"Unitube" Men's Hockey

Chromium, nickel or aluminum finish. Goodyear welt or McKay sewed shoe. Sizes: 1 to 12.

"UNION HARDWARE" TOOLS

UNION HARDWARE COMPANY
Reg. U. S. Pat. Off.

No. 2175 Adjustable Frame

For heavy duty. Nickel plated—highly polished. Strong steel connection with double end adjustment giving maximum strength when frame is fully extended. Corrugated steel pistol grip, chromium plated. Wing nut adjustment for tightening blade. Depth of frame 3¼ in., steel ⅝ in. wide. No. 2176 same, but includes one blade with each frame. Packed one in cardboard box.

No. 2150 Adjustable 8 to 12 inches

"Union" Hack Saw Frames

No. 2150 as shown. Adjustable Frame, Nickel Plated. Black enameled handle with screw adjustment for tightening blade. Depth of frame 2½ in., steel ⅝ in. wide.
No. 2151. Same as No. 2150 but includes one blade with each frame.
Packed one in a cardboard box. The "Union" Line includes patterns for household use as well as mechanics.

No. 2115 Adjustable Frame for Blades 8 to 12 inches

No. 2115 as shown. Adjustable Frame, Nickel Plated. Corrugated steel pistol grip with dull nickel finish. Wing nut adjustment for tightening blade. Depth of frame 2½ in., steel ⅝ in. wide.

No. 2116. Same as No. 2115 but includes one blade with each frame.

Packed one in a cardboard box.

Genuine Champion Screw Drivers

Mallets

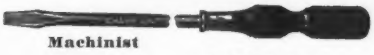
Round head, as shown; or square, mortised head, hickory or lignum-vitae. Sizes rd. hd. 5, 5½ and 6 in.; sq. hd. 6, 6½ and 7 in. Also Tinners' Mallets, No. 4 hickory 5 to 5½ in. No. 4½ for sheet iron work 6 x 3 in. Packed in bulk.

Regular and Cabinet

"Regular" pattern in 10 sizes. Blade length 2½ in. to 12 in. Length overall 6¼ in. to 18¾ in. Diam. 3/16 in. to 7/16 in.

"Cabinet" pattern in 8 sizes. Blade length 2½ in. to 12½ in. Length overall, 6¼ in. to 16¼ in. Diam. 3/16 in. in all lengths.

"Special" pattern in 2 sizes, 1½ in. and 1¾ in. blade lengths. Length overall 5¼ in. and 7¼ in. Diam. 3/16 in. and ¼ in.



Electrician and Machinist

Same construction as others.

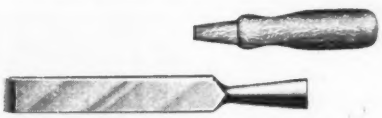
"Electrician" pattern made lighter, in 8 sizes. Blade length 2½ in. to 12½ in. Length overall 6¼ in. to 16½ in. Diam. of blade 3/16 in. in all lengths.

"Machinist" pattern in 5 sizes. Blade length 12 in. to 30 in. Length overall 21½ in. to 40½ in. Diam. of blade ½ in. in all lengths.

All patterns ½ doz. in box.

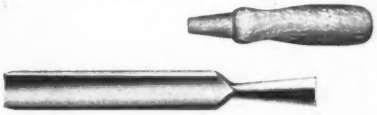
Cyclops Nail Puller

Used by factories, stores and warehouses. Improved design. Extra strong. Oblique delivery of ram blows. No spring to break. Unobstructed view of nail. Cannot turn in hand. Will not roll off inclined surface. Handle or pressure foot saves hand from injury and guides jaws directly to nail. Length 18 inches. Weight 4½ pounds. Packed 1 doz. in a case.



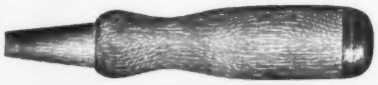
No. 110 Socket Firmer Chisels

All high grade tool steel. Blade and socket in one-piece.
Plain Edge—No. 110 plain hickory handle.
No. 120 same, leather tipped.
Bevel Edge—No. 115 plain hickory handle.
No. 125 same, leather tipped.
Sizes ⅛, ¼, ⅜, ½, ⅝, ¾, ⅞, 1, 1¼, 1½, 1¾, 2 in. Blades 6¼ in. Also Socket Cabinet Chisels same sizes with 4½ in. blades.



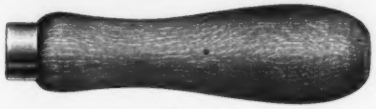
No. 1110 Socket Firmer Gouges

Outside bevel—No. 1110 plain hickory handle.
No. 1120 same, leather tipped.
Inside bevel—No. 1112 plain hickory handle.
No. 1122 same, leather tipped.
Sizes ⅛, ¼, ⅜, ½, ⅝, ¾, ⅞, 1, 1¼, 1½, 1¾, 2 in. Blades 6 in. All packed one-half dozen in wood box. Also Chisel Sets of 6 to 12 chisels. Gouge Sets 8 to 12 gouges. Packed in boxes.



Chisel Handles

Plain or leather tipped—for all chisels listed above. Furnished in Assortments, also packed individual sizes, 1 doz. in box, or in bulk.



File Handles

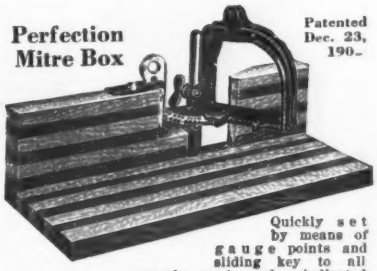
Soft wood or hard wood. In Assortments, also individual sizes, packed 3 doz. in box or in bulk.

The Union Hardware Line Includes:

Fishing Rods, Reels and Sundries, Gun Implements, Calls and Whistles, Police Goods, Roller and Ice Skates, Hack Saw Frames, Screw Drivers, Nail Pullers, Chisels, Gouges; Chisel, File and Soldering Copper Handles, Pegging Awl Hafts, Chalk Line Reels, Mallets, Base and Floor Knobs.

Perfection Mitre Box

Patented Dec. 23, 190-



Quickly set by means of gauge points and sliding key to all commonly used angles indicated on dial. Holds work rigidly—accuracy assured. One in carton, 12 cartons in crate.

Your Jobber will supply you

Reg. U. S. Pat. Off.

UNION HARDWARE COMPANY

Established 1854

TORRINGTON, CONN.

New York Office 151 Chambers Street

Send for New Catalogs on Complete Line

HOPPE'S

Gun Cleaning Products

Known to Sportsmen everywhere, and constant sellers in all stores where guns and ammunition are sold.

HOPPE'S NITRO POWDER SOLVENT No. 9

To remove leading, metal fouling and powder residue from gun bores and to prevent rust. In 2 ounce bottles. Packed one dozen bottles to display carton.

HOPPE'S LUBRICATING OIL

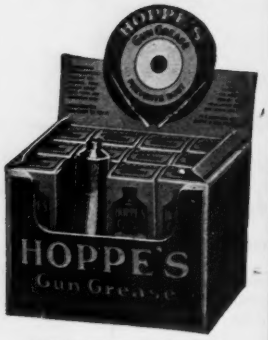
High viscosity. Very penetrating. For the moving parts of fire arms, fishing reels, clocks, light mechanisms and all household purposes. In 1 and 3 ounce cans. Packed one dozen cans to a display carton.

HOPPE'S GUN CLEANING PACK

Contains Bottle No. 9; Large Can Lubricating Oil, Tube Gun Grease, Gun Cleaning Patches and Gun Cleaning Guide.

RETAILS FOR ONE DOLLAR.

Always a Good Seller.



HOPPE'S GUN GREASE

A cleansing and acid-neutralizing heavy paste for the prevention of corrosion in firearms. Can be used in an emergency for cleaning. In 2½ oz. tubes. Packed one dozen in a display carton.

Hoppe's Products have been Standard for Thirty Years. Order through your Jobber.

Manufactured by

FRANK A. HOPPE, INC.

2314-H N. Eighth St. Philadelphia, Pa.

Representatives

Ed. W. Simon Co., Inc., 44 W. 44th Street, New York City
H. L. Bowlds, Mason Theatre Building, Los Angeles, Calif.

Everything for the FISHERMAN

Manufacturers of the most complete line of fishing tackle in America, including famous Hexi-Super-Cane Rods. (Reg. U.S. Pat. Off.)

HORROCKS-IBBOTSON CO.

Dept. S Utica, N. Y.

Send for complete catalog

Shuredry Fultex TARPAULINS TRUCK COVERS

There are 62 years' experience back of every Shuredry and Fultex Tarpaulin and Truck Cover. Their unusual quality adds to the profits and prestige of hardware dealers throughout the country.

We also make:

Tents, Wagon Covers, Cotton Picker Sheets and Bags, Carpenter Aprons, Coal Bags, Cotton Duck, etc.

Write nearest plant for complete information.

Fulton Bag & Cotton Mills

Manufacturers Since 1870

Atlanta St. Louis Dallas
Minneapolis Brooklyn New Orleans Kansas City, Kan.

While They're Buying Equipment for Duck Shooting

Sell them the Shells that Get the Ducks

When your customers come in to buy things they need for duck shooting be sure they go out with the shells that get the ducks.

When they spend money for boots, clothes, decoys and other equipment and drive 50 to 100 miles or more to shoot—don't let them sit all day in the blinds handicapped by a load that hasn't the range and power to get the high fliers. Sell them Super-X and you'll win their good will and continued patronage.

The *Short* Shot String of the Western Super-X load extends its effective killing power to remarkable distances. Super-X pulls down ducks that are way out of reach of ordinary shells. With a duck season of two months this year instead of one you have an opportunity to increase your ammunition sales. If you are already selling Super-X check your supply now. If you haven't enough tell your jobber to ship your requirements immediately. If you are not selling Super-X it will pay you to put in this fast moving load. There's a Western jobber near you.

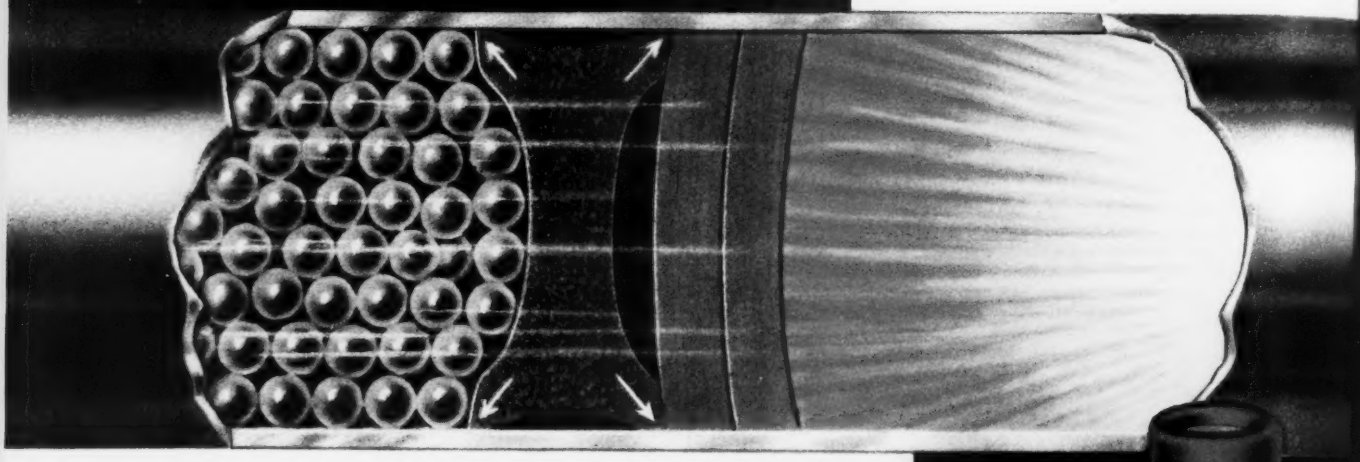
Western Super-X Shells

THE LONG ARM OF THE MARSHES

WESTERN CARTRIDGE COMPANY

1055 Adams St., E. Alton, Ill. Branch Offices: Jersey City, N. J., San Francisco, Cal.

ANOTHER SALES-BUILDING IMPROVEMENT IN Western SHOTGUN SHELLS



THE NEW WESTERN SEAL-TITE WAD . . . POSITIVE SEAL . . . DOES NOT ABSORB MOISTURE

The diagram shows how, under pressure, the edges of the Western Seal-Tite composition wad are forced outward against the barrel, completely sealing the bore against the thrust of the powder gases. If, as sometimes happens with other wads, the wad does not completely seal the bore, part of the hot powder gas may force its way past the wad, decreasing the velocity of the load and melting some of the shot pellets, resulting in poor patterns.

Western Seal-Tite wads are molded of a patented resilient composition. They are uniform in size and in texture, and unlike felt wads, which soak up moisture like a sponge, they *do not absorb moisture from the air*. If a wad contains more moisture than the powder, it may give off some of it into the powder, decreasing the effectiveness of the charge; if it contains less moisture it may take on some moisture from the powder resulting in increased pressure. Only Seal-Tite wads are non-absorbent and ballistically stable—a most important factor in uniform shotshell performance.

THE big demand for Western Shotgun Shells and Cartridges has resulted from a series of outstanding developments which have given shooters better ammunition at no increase in price . . . The latest is a greatly improved shotshell wad, developed in the Western technical laboratories, covered by four patents* and available *only* for Western's exclusive use.

The Western Seal-Tite wad is molded of a new composition, uniform in size, shape and texture and permanently resilient. Its double concave shape has been designed so that, under pressure, the edges of the wad are forced outward against the barrel, sealing it tightly against the thrust of the powder gases. None of the force of the powder is lost and none of the hot gas can get into the shot to melt it and affect the pattern.

Unlike other wads, Seal-Tite wads do not absorb moisture; they cannot take on or give off moisture into the powder, which would affect the ballistic balance of the load and cause variations in pressure and performance.

All Western shells in 10, 12, 16 and 20 gauge are loaded with these greatly improved, new wads. Tell your customers about this new feature. It's an extra, *exclusive* selling point for Super-X, Xpert, Field and Minimax shells. Fast, clean, hard-hitting ammunition, made even better by the new wads.

Display Western Shells and Cartridges in your show windows. It will increase your sales, not only of shotgun shells but of Super-X long range .22's for small game shooting, and Lubaloy center-fire cartridges for big game hunting. . . . It pays to sell and feature Western. There's a Western jobber near you. The colorful Window Display shown at the right is being sent free to Western dealers.

WESTERN CARTRIDGE COMPANY, 1055 Adams St., E. Alton, Ill.
Branch Offices: Jersey City, N. J., San Francisco, Cal.

*Patented U. S. A. 1,619,649—1,577,426—1,576,579—1,485,337

Western

Shotgun Shells and Cartridges

NEW WESTERN DISPLAY FOR HUNTING WINDOW

If you already have one of these eye-compelling 3-piece displays be sure to use it. If you're a Western dealer and haven't one it will be sent on request. 42 inches high. Full color reproduction from three paintings by the well-known artist, Norman Hall.

Printed in U. S. A.

Hardware

Barrel Bolts, Brackets, Calendar Stands, Can Openers, Chain Door Fasts, Chest Handles, Clamps, Clothes Line Hooks, Clothes Line Pulleys, Clothes Racks, Costumer Hooks, Cupboard Catches, Door Buttons, Door Pulls, Fish Scalers, Foot Rests, Fruit Presses, Gas Hot Plates, Grindstone Fixtures, Hack Saws, Hammers, Hatchets, Hedge Shears, Ice Shaves, Match Box Holders, Melting Ladles, Mincing Knives, Nut Cracks, Paper Clips, Paper Files, Pincers, Pliers, Pipe Hangers, Plumb Bobs, Porch Post Irons, Potato Ricers, Pruning Shears, Sad Iron Handles, Sad Iron Stands, Shelf Supports, Steak Pounders, Stick Files, Stove Lid Lifters, Thumb Latches, Tin Snips, Toilet Paper Holders, Twine Holders, Vises, Wardrobe Hooks, etc.

. . . . *Get Our Complete Catalog* . . . .

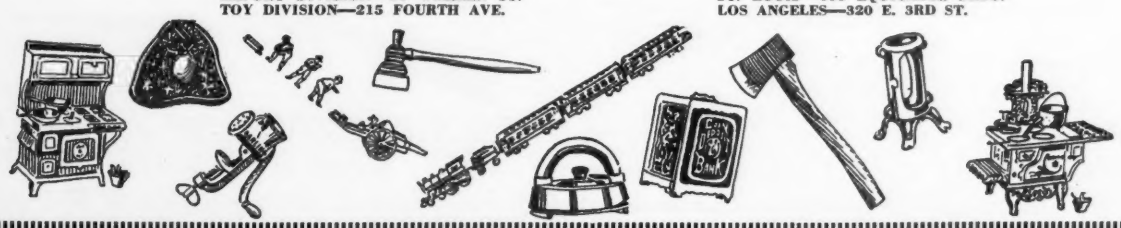
Iron Toys

Toy Banks, Toy Food Choppers, Toy Hammers, Toy Hatchets, Toy Machine Guns, Toy Picks, TINT-EM-TOYS, Christmas Tree Stands and Fences, Jackstones, Jack Sets, Juvenile Golf Clubs, Toy Tool Chest Hardware, Toy Ranges, Toy Sad Irons, Toy Soldiers, Toy Stoves, Toy Tool Sets, Toy Trains, Etc.

GREY IRON CASTING COMPANY, Mount Joy, Pa., U. S. A.

NEW YORK—HARDWARE DIVISION—100 WARREN ST.
EXPORT DIVISION—86 WARREN ST.
TOY DIVISION—215 FOURTH AVE.

CHICAGO—162 N. STATE ST.
ST. LOUIS—605 EQUITABLE BLDG.
LOS ANGELES—320 E. 3RD ST.



COAST TO COAST -- -- GREAT LAKES TO GULF

GARDNER-CUNEO CATALOGS

ARE INCREASING JOBBERS' SALES

YOU, too, can increase your sales by the use of an up-to-date Gardner-Cuneo Catalog. A Catalog not only represents you to your customers but also clarifies your lines giving you control of your stock, and bringing out the material that pays you a profit. A Cuneo representative will show you just how a catalog will work for you. Write or Call.

THE CUNEO CATALOG SERVICE CO.

G. H. GARDNER. President

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RIFLES *WINCHESTER* SHOTGUNS

TRADE MARK

Winchester Repeating Arms Co., New Haven, Conn., U. S. A.

Winchester guns and ammunition have been world standard for more than 60 years. Quality and shooting satisfaction have been the first essentials in their production. The best of materials and workmanship, expert design and manufacturing experience, proved by the most rigid tests, assure the consistent dependability of these products. There is a Winchester for every shooting purpose and one that will meet virtually any requirement of the shooter. Only a selection can be listed here. Send for complete catalog of the entire Winchester line.

SHOTGUNS

MODEL 12 SLIDE ACTION HAMMERLESS REPEATING SHOTGUN—TAKE-DOWN ONLY —6 SHOTS

Known as "The Perfect Repeater" for its strength, safety, light weight, fine balance and shooting qualities. Model 12 has long been a favorite with sportsmen whether for field shooting, traps or skeet. Made throughout of Winchester proof steel. 12, 16 and 20 gauge. Standard grade has pistol grip stock with rubber butt plate. Full rounded comb. 12 gauge barrels furnished in 26, 28, 30 or 32 inch in choice of full choke, improved modified, modified, improved cylinder and cylinder bore. 16 and 20 gauge in 26, 28 or 30 inch barrel lengths. All gauges chambered for 2¾-inch shells. Interchangeable barrels can be furnished.
Model 12 is also made in Standard Trap, Special Trap and Pigeon grades. All these three grades are also furnished with Ventilated rib in 12 gauge, 30-inch barrels only.

MODEL 21 DOUBLE BARREL HAMMERLESS SHOTGUN

A masterpiece among double barrel guns to satisfy the most fastidious sportsman. 12, 16 and 20 gauge. Double or single trigger, either furnished with or without selective ejection. Made in Standard, Tournament and Trap grades and in special skeet design and also custom built. 12 gauge furnished with 26, 28, 30 or 32-inch barrels; 16 and 20 gauge with 26, 28 or 30-inch, in choice of full choke, improved modified, modified, improved cylinder and cylinder.

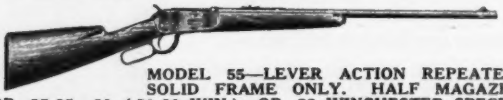
MODEL 97 SLIDE ACTION HAMMER REPEATING SHOTGUN—TAKE-DOWN ONLY. 6 SHOTS.

The famous gun used by nearly a million satisfied shooters. 12 and 16 gauge. Standard Model 97 has 30-inch full choke barrel and pistol grip stock with composition butt plate. Can also be obtained with 26, 28 or 32-inch barrels. 16 gauge in 26, 28 or 30 inches. Full choice of chokes. Interchangeable barrels can be furnished. Chambered for 2¾-inch shells. Model 97 is also made in Standard Trap, Special Trap and Pigeon grades.

CENTER FIRE RIFLES

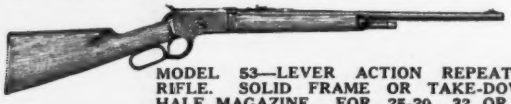
MODEL 54—BOLT ACTION REPEATING RIFLE. SOLID FRAME ONLY. 6 SHOTS. FOR 270 WIN; 250-3000 SAVAGE; .30 GOV'T. '06; 7 M/M; 7.65 M/M; OR 9 M/M.

A strong, simple masterpiece in a bolt action sporting rifle. Powerful enough to stop any game in North America. 24-inch round tapered barrel. Pistol grip N.R.A. design stock with grip and forearm handsomely checked. Shotgun butt with checked steel butt plate. Lyman Gold Bead front and Winchester 22-G rear sight. Receiver drilled for Lyman micrometer windgauge receiver sight 48W. Weight about 7¾ lbs.



MODEL 55—LEVER ACTION REPEATER—SOLID FRAME ONLY. HALF MAGAZINE. FOR .25-35, .30 (.30-30 WIN.); OR .32 WINCHESTER SPECIAL.

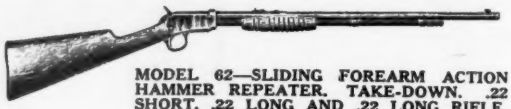
A modern light weight repeater with the world famous action of the Winchester Model 94. It combines graceful lines and perfect balance with smooth, reliable operation. 24-inch round tapered barrel. Straight grip shotgun type stock with deeply scored steel butt plate. Adjustable rear sight with sliding elevator and Lyman Gold Bead front sight. Four shots. Weight about 7 lbs.



MODEL 53—LEVER ACTION REPEATING RIFLE. SOLID FRAME OR TAKE-DOWN. HALF MAGAZINE. FOR .25-20, .32 OR .44 WINCHESTER CENTER FIRE CARTRIDGES.

A light weight sporting rifle chambered for three of the most inexpensive and popular sporting cartridges for game from gray squirrel to deer. 22-inch round tapered barrel. Straight grip shotgun type stock with deeply scored steel butt plate. Action is that of the famous Model 92 Winchester of which over a million have been marketed. Adjustable rear sight with sliding elevator. Lyman Gold Bead front sight. Eight shots. Weight about 5½ to 6½ lbs.

.22 CAL. RIM FIRE RIFLES



MODEL 62—SLIDING FOREARM ACTION HAMMER REPEATER. TAKE-DOWN. .22 SHORT, .22 LONG AND .22 LONG RIFLE. ALSO FURNISHED CHAMBERED FOR .22 SHORT ONLY.

A new high value in a slide action hammer repeater embodying the famous Winchester slide action that has been proved by 1,500,000 shooters. 23-inch round tapered barrel. New design slide handle. Straight grip stock with shotgun butt. Checkered steel butt plate. Lyman Gold Bead front and new Winchester quick-elevating sporting open rear. Weight about 5½ lbs.

MODEL 61—SLIDING FOREARM ACTION HAMMERLESS REPEATING RIFLE—TAKE-DOWN. .22 SHORT, .22 LONG AND .22 LONG RIFLE. ALSO FURNISHED SEPARATELY FOR .22 SHORT, .22 LONG RIFLE OR .22 W.R.F.

An all round hammerless slide action .22 repeater that presents a new development of the popular closed in breech type of rifle. Finely balanced 24-inch barrel—round on the standard rifle, chambered for all three cartridges, and octagon on rifles designed for one cartridge only. Genuine black walnut stock with pistol grip. Shotgun butt. Surprisingly fast in action and sure in functioning. Lyman Gold Bead front sight and Winchester quick elevating sporting rear. New design semi-beavertail slide handle. Weight about 5½ lbs.

MODEL 52 BOLT ACTION BOX MAGAZINE RIFLE—SOLID FRAME. .22 LONG RIFLE ONLY.

The dominant small-bore target rifle that has consistently surpassed all other rifles of its type in accuracy and achievement. 28-inch round tapered barrel. Speed lock. Semi-beavertail foreend stock with pistol grip. Checked steel butt plate. Straight military blade front sight. Aperture slide rear on folding leaf with graduated micrometer adjustments for windage and elevation. Detachable box magazine. Standard magazine holds five cartridges. 10 cartridge magazine can be furnished. Weight about 8¾ lbs. Can also be furnished with heavy weight barrel as an extra.

MODEL 57—BOLT ACTION MAGAZINE REPEATING RIFLE. .22 LONG RIFLE ONLY.

Embodies the essential mechanical features of the famous Model 52 in a light weight arm. 22-inch round barrel. Military style stock with pistol grip. Steel butt plate. Square top military blade front sight. Lyman No. 6W single leaf folding rear. Lyman No. 42W receiver sight mounted at extreme rear of receiver. Detachable box magazine. Standard magazine holds five cartridges. Can be supplied in 10-cartridge size. Weight about 5 lbs.

MODEL 60—BOLT ACTION SINGLE SHOT RIFLE — TAKE-DOWN — .22 SHORT, .22 LONG AND .22 LONG RIFLE

The greatest value ever offered in a single shot .22. Every inch a Winchester. 23-inch round barrel. Well shaped one-piece stock and forearm with finger grooves. Bolt, bolt handle and trigger chromium plated. Safety firing pin. Rifle cannot be discharged when in safety position. Lyman Gold Bead front and new Winchester sporting rear sight with quick adjusting sliding elevator. Weight about 4¼ lbs.

AMMUNITION
SHOT SHELLS

WINCHESTER
TRADE MARK

FLASHLIGHTS
ROLLER SKATES

Winchester Repeating Arms Co., New Haven, Conn., U. S. A.

RIM FIRE AMMUNITION

Winchester Super W Speed cartridges are modern high power, long range, high speed .22's for rifles, pistols and revolvers especially designed for this type of cartridge and in good condition. With 25% added velocity and 60% greater hitting power they are just the ticket for all kinds of small game shooting. Super W Speed .22's have the famous Winchester Staynless priming and the popular Winchester Kopperklad bullet—greaseless, self-lubricating. Made in .22 Short, .22 Long, .22 Long Rifle and .22 W. R. F. with either solid or hollow point bullet.

For those who wish .22 ammunition of standard range and velocity Winchester Staynless Kopperklads are ideal. And for .22 target work Winchester Precision .22 Long Rifle offers supreme accuracy equipment.

CENTER FIRE CARTRIDGES

Winchester center fire cartridges offer a complete line of sporting rifle, pistol and revolver ammunition, world recognized for dependability and shooting excellence. They are made with the famous Winchester Staynless priming and now in addition Winchester has pioneered in the center fire cartridge field with the greatest primer of them all—non-mercuric Staynless—providing vastly improved stability—greater sensitivity—longer barrel accuracy life—greater reloading possibilities—all with the freedom from rust of Staynless.

SHOT SHELLS

Winchester shells are primed, loaded, crimped and waterproofed to make good every day, box after box, at the traps, in the field and at skeet. They are loaded to definite ballistic standards that are rigidly maintained and offer balanced loads unexcelled in range, power and pattern.

LEADER

Lacquered or unlacquered. The finest of smokeless powder shells, 12, 16 and 20 gauges with standard smokeless powders. 10, 12, 16 and 20 gauges with progressive burning powders. Extra high brass base, corrugated. Winchester Improved New No. 4 Staynless primer.

SPEED LOADS

A high grade shell loaded only with progressive burning smokeless powders for utmost range, power and speed. Unsurpassed for the difficult long range wing shots. Improved New No. 4 Staynless primer. 10, 12, 16 and 20 gauge and .410. Also in buckshot and single ball loads.

REPEATER

A high grade smokeless powder shell of great popularity with both trapshooters and hunters. Loaded with standard smokeless powders in 12, 16, 20 and 28 gauge. Improved New No. 4 Staynless primer. Three of the last four Grand American Handicaps including 1932 have been won with Repeater Shells.

RANGER

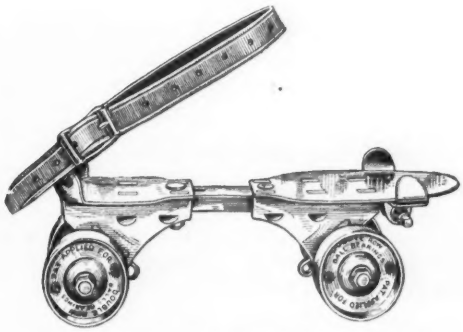
The quality smokeless shell that takes the high cost out of shooting and keeps all the satisfaction in. Primed with the Improved New No. 4 Staynless primer. Loaded in 12, 16 and 20 gauges, with special skeet loads in each gauge.

WINCHESTER FLASHLIGHTS AND BATTERIES

Winchester offers dealers a line of flashlights to meet every flashlight need which presents a range from the most popular low priced focusing and standard bullseye numbers to the unique all-purpose Winchester Twin Service headlight that combines in one light a focusing and diffusing headlight and a focusing or diffusing hand lantern. Winchester flashlights combine sturdy simple construction with a number of attractive features such as the exclusive Winchester rotating band focusing mechanism, non-slip grip corrugated brass cases, shock absorbers and non-rolling lens caps. Winchester flashlights are made in regular nickel, black, chromium plate and Chromaloid finish offering a varied range for the dealer's selection.

SUPER SEAL UNIT CELLS

The new Winchester Super Seal unit cell is an outstanding sales number. Its fibre cap, replacing the wax seal formerly used, adds materially to its capacity, offers less possibility of short circuiting and presents a cell that combines fine appearance and excellent service.

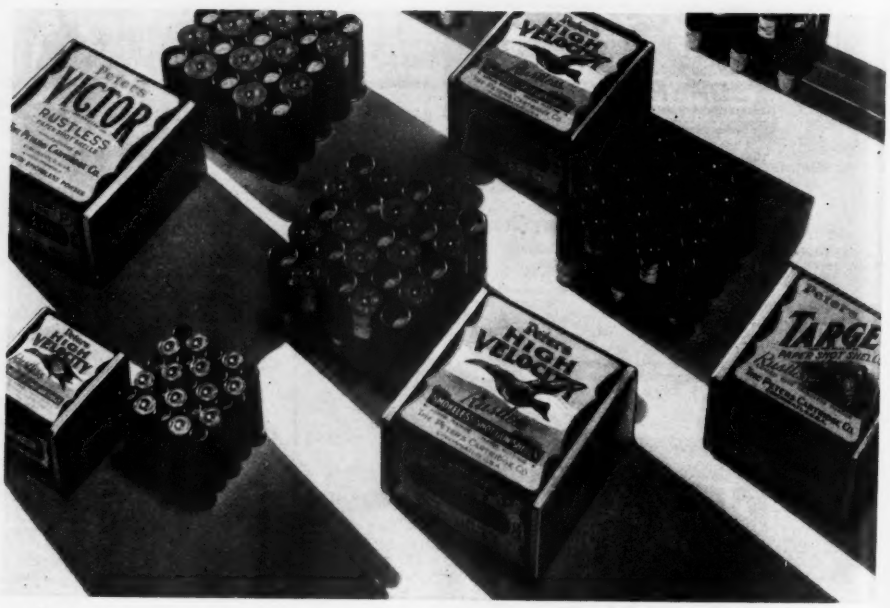


WINCHESTER ROLLER SKATES

Winchester roller skates are the outcome of scientific engineering development, unequalled manufacturing facilities and determination to produce the finest and most serviceable product. They stand supreme in strength, in mileage and in easy running qualities and in their ability to sell and stay sold. All models have the road-tested Winchester double row self-contained ball bearing rolls, girder construction and full strength and rigidity at maximum extension. Made in boys, girls, junior and universal models.

PETERS AMMUNITION

Further details and prices on request



High Velocity

Recognized as the finest long-range shell on the market. Furnished in 10, 12, 16, 20, 28 and .410-gauges in all standard load combinations. The 10, 12, 16 and 20-gauges can also be had with Gildkote (copper plated shot).

Target

The choice of discriminating sportsmen for a high-grade field and trap load. Furnished in 10, 12, 16, 20 and 28-gauges in all standard load combinations in both soft and chilled shot.

Victor

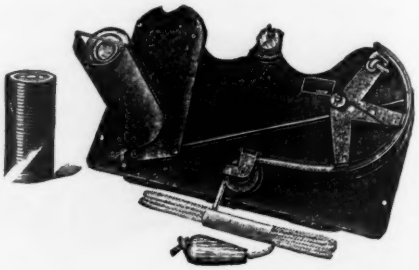
An exceptionally high-grade smokeless shell for both trap and field shooting—at a low price. Furnished in 12, 16 and 20-gauges in both soft and chilled shot.

Trap and Skeet Load

The new orange colored shell, developed especially for trap and skeet shooting, which has won many outstanding championships during the few months it has been on the market. 12-gauge only. Furnished in both regular and combination loads for skeet.

Referee

The famous semi-smokeless shell which is still in demand in some localities. Furnished in 12, 16 and 20-gauges.



Peters Duvrock Portable Repeating Trap

This trap offers fascinating shooting *anywhere*. It repeats 43 targets without reloading. Exciting sport with *any* gun, especially a .410. Strong, durable, light, practical. The price has been reduced lately. There is nothing on the market to compare with the Peters Duvrock Trap.

THE PETERS CARTRIDGE COMPANY

New York Dept I-53, Kings Mills, Ohio *San Francisco*

AMMUNITION YOU CAN

Peters manufactures a complete line of rifle, pistol and revolver cartridges. A few of the more popular items are as follows:

Rustless .30 Gov't—200 Gr. M. C. Hol. Pt. Exp. Gildkote

Here is a new super-accurate cartridge that is an all-purpose big game load and is especially recommended where tremendous shocking power is required. There is sufficient penetrating power to deliver the entire shock at the vitals. The hollow-point bullet has a delayed mushroom action. The bullet does not disintegrate but derives all the benefit of its entire mass.

This cartridge is used by leading big game hunters.

Rustless Gildkote High Velocity Oil-Tite

.38 S. & W. Special

.38 Colt Special

A powerful police cartridge with the HIGH VELOCITY feature which almost doubles the bullet energy. Made in two loads—GILDKOTE lead bullet for stopping power and GILDKOTE Metal Point bullet for penetration. The Metal Point bullet is recommended for Highway Police as it will penetrate the body of an automobile and still retain its effectiveness. Both cartridges are loaded in a nickeled case.

Rustless High Velocity Gildkote and Lead Lubricated .22 Rim Fire Cartridges

RUSTLESS HIGH VELOCITY .22's are furnished in addition to the standard loads and can be obtained in both hollow point and solid ball. These cartridges with higher velocity, flatter trajectory, longer range and greater penetrating power, are made possible by the development of a new copper alloy of greater strength than any metal previously used for rim fire cartridge cases. They are supplied in .22 Short, .22 Long, .22 Long Rifle and .22 Win.

Rustless Gildkote High Velocity .22 "Hornet" Center Fire

A speedy, flat shooting, accurate and powerful little cartridge for woodchuck, small game and vermin. The high velocity of this 45 grain metal cased, hollow point bullet gives it a marked efficiency at all ranges. Its accuracy makes it a target cartridge at moderate cost.

Peters Tack Hole Ammunition 22 Cal. Long Rifle

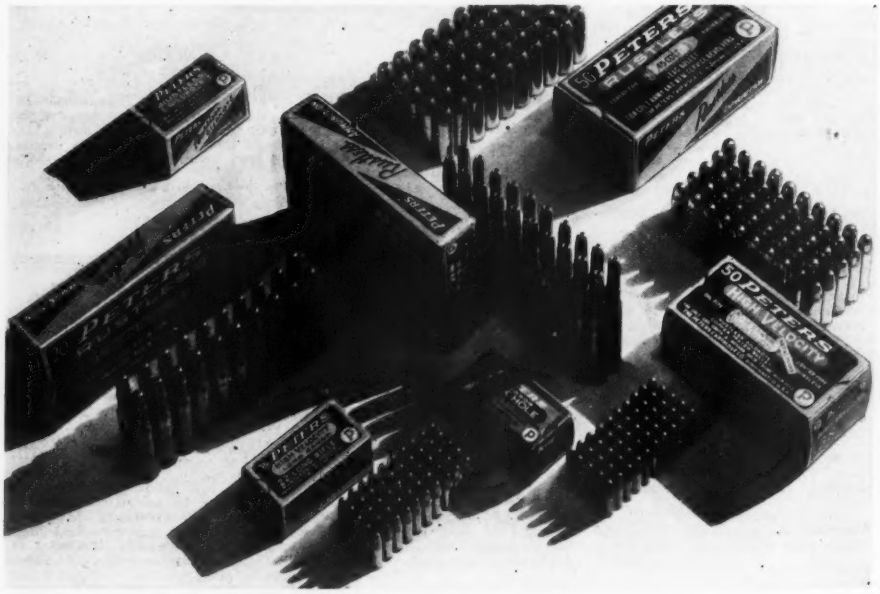
Indoor	Outdoor
Ranges Up to 75 Feet	Ranges Up to 250 Yards Also Pistols and Revolvers

Their extreme accuracy and uniform shooting qualities have made them the favorite of the greatest marksmen in the world. They shoot exactly where the shooter holds. Extremely clean and easy on the rifle barrel. Loaded with Semi-smokeless powder.

THE PETERS CARTRIDGE COMPANY

New York Dept I-53, Kings Mills, Ohio *San Francisco*

PETERS AMMUNITION



Further details and prices on request

SELL WITH CONFIDENCE

SAVAGE — FOX — STEVENS

SPRINGFIELD — CRESCENT-DAVIS

QUALITY GUNS AT MODERATE PRICES

The Savage-Fox-Stevens lines comprise the most advanced types of first-quality rifles and shotguns designed to meet every requirement of the modern sportsman. Each model is an outstanding value, priced to insure volume demand. Orders through your regular jobber will be filled immediately from stock at attractive discounts from the suggested retail prices.

Space will not permit the listing of our complete lines, however, we show below many of our popular nationally advertised models:

SAVAGE

SAVAGE HI-POWER RIFLES

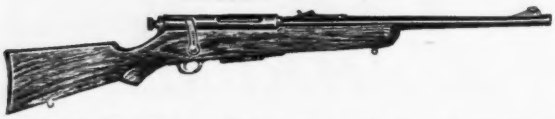
Savage Model 99.—General specifications: Hammerless solid breech, lever action. Walnut stock and forend; steel butt-plate. Adjustable sporting rear and ramp front sights. Six shots. Rotary type box magazine holding five cartridges. Automatic indicator to show cocked or fired position of hammer.

Model 99-G. Takedown.—Tapered barrel. Shotgun style butt; full pistol grip; checkered stock and forend. Weight about 7¼ lbs. Calibers: .22 Hi-Power, .30/30; .303 Savage and .250/3000 Savage, with 22" barrel; .300 Savage with 24" barrel.....**$54.45**

Model 99-F. Takedown.—Tapered barrel. Rifle butt-plate; straight grip stock. Calibers: .22 Hi-Power, .30/30, .303 and .250/3000 with 22" barrel; .300 Savage with 24" barrel.....**$50.60**

Model 99-H Carbine. Solid frame.—20" barrel. Walnut carbine stock and forend. Steel butt-plate. Adjustable semi-buckhorn rear sight and bead front sight. Weight 6½ lbs. Calibers: .30/30 and .303 .....**$41.25**

SAVAGE SUPER-SPORTERS



Model 40 Super-Sporter. Bolt Action, Solid Frame, Repeating.—Tapered barrel with ramp front sight base. One-piece walnut stock with pistol grip and British type forestock. Steel butt plate. Five shots: 4-shot detachable magazine. Weight about 7½ lbs. Calibers: .30/30 and .250/3000 Savage with 22" barrel; .300 Savage and .30-'06 Springfield with 24" barrel.....**$38.50**

Model 45 Super-Sporter.—Selected checkered stock and forestock; Lyman No. 40 rear peep sight, folding leaf middle sight. Screw eyes for carrying strap. Calibers, same as Model 40.....**$48.95**

SAVAGE SPORTER RIFLES

Model 23-A. .22 Caliber Repeating Bolt Action Rifle—23 inch round barrel. One piece stock and forearm of American Walnut, full curve pistol grip, finished in rubbed varnish. Sights are Rocky Mountain knife blade front and flat top elevator adjustment rear, of sturdy construction. Safety at rear of receiver can be operated by hand in firing position. Five shot detachable box type magazine. Chambered for .22 long rifle cartridge. Weight 6 pounds.
Price **$20.35**

Model 23-B. .25-20 Caliber Repeating Solid Frame Bolt Action Rifle.—25 inch round barrel, one piece walnut stock, full pistol grip. Five shot detachable box type magazine. Weight 6 pounds.
Price **$24.75**

Model 23-C. .32-20 (.32 Winchester) Repeating Bolt Action Rifle. Same specifications as above.
Price **$24.75**

Model 23-D .22 Hornet.—25" hi-power barrel. Large size one-piece pistol grip stock. Adjustable sporting rear sight and gold bead front sight. Weight about 6½ lbs. **$32.95**

SAVAGE N.R.A. MATCH RIFLE

Model 19 N.R.A. .22 cal. Bolt Action Repeating Rifle.—25" barrel. Full military pistol grip stock with bands and swivels for sling strap. Aperture rear sight with windage and elevation adjustment; Marine Corps type front sight. 5-shot detachable magazine. Cal. .22 Long Rifle, regular or high speed.....**$26.00**

SAVAGE .22 CAL. SLIDE ACTION REPEATER

Model 29. .22 cal. Hammerless Slide-Action Repeating Rifle. Takedown.—24" Octagon barrel. Adjustable sporting rear and Lyman gold bead front sights. Pistol grip walnut stock. Magazine capacity 20 short, 17 long or 15 long rifle cartridges, regular or high-speed. Weight 5½ lbs. **$21.45**

SAVAGE .22 CAL. SINGLE SHOT RIFLE

Model 3. .22 cal. Bolt Action Single Shot Rifle. Takedown.—24" barrel with Lyman gold bead front sight and adjustable rear sight. Safety firing pin. Full size pistol grip stock with steel butt plate. Over-all length 42". Chambered for .22 long rifle cartridges, regular or high speed; .22 short or .22 long may be used.....**$6.00**

SAVAGE AUTOMATIC SHOTGUN

Model 720 Automatic Shotgun.—12 gauge, 28", 30" or 32", full choke, modified choke or cylinder bore. Selected walnut stock 14" long, 2⅜" drop at heel, 1¾" drop at comb. 5-shot capacity. Friction ring adjustment for light and heavy loads. Weight about 8 lbs. **$49.40**

Model 723 Automatic Shotgun.—16 gauge, 26", 28" or 30". Stock 14" long, 2¼" drop at heel, 1⅝" drop at comb. Weight about 7½ lbs. Other specifications same as Model 720.....**$49.40**

Model 726 Upland Sporter—3-shot, 12 or 16 gauge. Barrel 26", 28" or 30". Full choke, modified choke or cylinder bore. Stock 14" long; 2¼" drop at heel, 1⅝" drop at comb. Capacity—two shells in magazine, with one in chamber, giving three shots. Receiver artistically decorated. Weight about 7¼ lbs. **$49.40**

SAVAGE ARMS CORPORATION, UTICA, N. Y.

OWNERS AND OPERATORS

J. STEVENS ARMS CORPORATION, CHICOPEE FALLS, MASS.

STEVENS

No. 94 "Springfield" Automatic Ejector, Single Barrel Shotgun—

Made in 12 Ga. 28", 30" and 32"; 16 Ga. 28" and 30"; 20 Ga. 28"; .410 bore 26". Full choke. Weight about 6 lbs. Features—positive wide extractor, rigid double connecting link, steel spring forearm latch, automatically takes up wear and will not shoot loose, extra wide forearm and modern designed stock, walnut finished..$8.50

No. 107 "Stevens" Automatic Ejector, Single Barrel Shotgun.

Same specifications as above; higher polish and superior finish; selected walnut stock and forearm.....$11.50

No. 311 "Springfield" Hammerless Double Barrel Shotgun.

12 Ga. 28", 30", 32", Weight 7½ lbs.; 16 Ga. 28", 30", Weight 7 to 7¼ lbs.; 20 Ga. 26", 28", Weight 6¼ to 7 lbs.; .410 bore 26", 5½ to 6 lbs. Features—top lever and bolt in one piece, steel spring forearm latch, coil springs, automatic safety, large extractors, box frame, stock and forearm walnut finish.....$19.50

No. 330 "Stevens" Hammerless Double Barrel Shotgun.

Same specifications as above; higher polish and finish; stock and forearm—selected black walnut, finely checkered; full pistol grip capped; fitted with Jostam Anti-Flinch Recoil Pad; two Lyman Ivory bead sights $25.25

No. 3151-ST "Springfield"

Hammerless Double Barrel Shotgun—with single trigger.....$23.90

No. 331 "Stevens"

Hammerless Double Barrel Shotgun—with single trigger. Otherwise same as No. 330.....$29.50

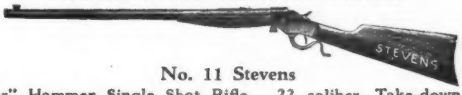
No. 620 "Stevens"

Hammerless Repeating Shotgun. Side ejection. 12 Ga. 7¾ lbs.; 16 Ga. 7¼ lbs.; 20 Ga. 6 lbs. Walnut stock and forearm checkered. Stock capped full pistol grip. Six shots.....$36.30

No. 66 Stevens Bolt Action Repeating Rifle

.22 caliber Take-down. For hi-speed cartridges. Ivory bead front sight. Holds thirteen .22 Long Rifle cartridges. Weight 5 lbs..$11.75

STEVENS SINGLE SHOT RIFLES



No. 11 Stevens

"Junior" Hammer Single Shot Rifle. .22 caliber, Take-down. For regular cartridges. 20" round barrel. Thumb operated drop breech block, steel frame. Weight 2¾ lbs.....$3.60

No. 26 Stevens

"Crack Shot" Hammer Single Shot Rifle. Take-down, for .22 Long Rifle, .25 Rim Fire and .32 long rim fire regular cartridges. 22" Round barrel, drop breech block lever action, blued finish frame. Weight 3¼ lbs.....$4.40

No. 17 Stevens

"Favorite" Hammer single shot Rifle. Take-down, for .22 Long Rifle, .25 Rim Fire or .32 Long Rim Fire Regular or High Speed cartridges. 24" Round barrel, Stevens drop block lever action, automatic ejector in .22 caliber, Walnut stock and forearm, Lyman Ivory bead front sight. Weight 4½ lbs.....$8.25

No. 53A Springfield

Single Shot Bolt Action Rifle. Take-down. For .22 Long Rifle High Speed cartridges. 24" round barrel, full pistol grip one piece walnut finish stock with finger grooves, safety firing pin. Ivory bead front sight. Weight about 4½ lbs.....$5.50

No. 417 Stevens

"Walnut Hill" Single Shot Target Rifle. For .22 Long Rifle high speed cartridges. 28" heavy barrel, original Stevens "Ideal" breech block, short hammer fall, oil finish Walnut target model stock and forearm, fitted with 1¼" leather sling strap. Lyman No. 17A front and 48L rear sights and telescope blocks, weight about 10½ lbs. $41.25

J. STEVENS ARMS CO., CHICOPEE FALLS, MASS.

FOX HAMMERLESS DOUBLE GUNS

FOX STERLINGWORTH Hammerless Double Gun. Fluid compressed steel barrels. Walnut stock 14" long with 2¾" drop at heel and 1⅝" drop at comb. 12, 16, or 20 gauge, barrels 26", 28", 30" or 32"; cylinder and modified, modified and full, or both barrels full choke $39.50

FOX STERLINGWORTH DELUXE. Same as Sterlingworth except equipped with Recoil Pad and Ivory bead sights.....$43.00

A GRADE FOX Hammerless Double Gun. Chromox fluid steel barrels. Selected walnut stock. Frame handsomely engraved. Stock built to order at no extra charge if desired. 12, 16, or 20 gauge, barrels 26", 28", 30" or 32", any boring.....$57.00

AE GRADE FOX Hammerless Double Gun. Same as A Grade except equipped with automatic ejectors.....$70.00

FOX GUN DIVISION — SAVAGE ARMS CORPORATION, UTICA, N. Y.

CRESCENT-DAVIS GUNS

Model "Victor Special" Crescent Single Barrel Shotgun. Automatic Ejector 12, 16, 20, .410 Ga. Maroon color butt plate.....$8.50

Model 60 "Empire" Crescent Double Barrel Shotgun. 12, 16, 20 and .410 ga. Case hardened side plate design frame. Maroon color butt plate $19.50

Grade A Davis Certified Single Barrel Shotgun. Automatic ejector. 12, 16, 20 and .410 Ga. Distinctive case hardened frame.....$8.50

Model 800 "Ajax" Davis Certified Double Barrel Shotgun, 12, 16, 20 and .410 Ga., Box frame, coil springs.....$19.50

CRESCENT-DAVIS ARMS CORPORATION SPRINGFIELD, MASS.

Hardware

Barrel Bolts
Bed Fasteners
Blind Fastenings
Blind Hinges
Block Planes
Casters
Chest Handles
Clamps
Door Latches
Door Pulls
Drawer Pulls
Dumb Bells
Fence Ratchets
Foot Rests
Garden Forks
Garden Weeders
Gate Hinges
Gate Latches
Hammers—Cast
Hammers—Shoe
Hammers—Tack
Handles—Boiler
Hatchets—Cast
Hay Fork Pulleys
Paper Files
Planes, Iron
Plumb Bobs
Pulleys—Sash
Pulleys—Screw
Pulleys—Side
Quoits
Shoe Lasts
Shoe Scrapers
Stick Files
Table Brackets
Thumb Nuts
Thumb Screws
Vises—Hand
Well Wheels
Wire Stretchers

Kitchen Wares

Can Openers
Cherry Stoners
Clothes Sticks
Coal Claws
Coffee Mills
Fish Scalers
Ice Chisels
Ice Picks
Ice Planes
Jelly Presses
Lard Presses
Lid Lifters
Nut Cracks
Potato Ricers
Timbale Irons
Trevets
Waffle Irons

Wrightsville Hardware Co.
Wrightsville, Pa. U. S. A.

New York—45 Warren St.
Chicago—162 N. State St.

St. Louis—605 Equitable Bldg.
Baltimore—31 So. Calvert St.
Los Angeles—320 E. 3rd St.

All Men Who Work With Tools Will Want This New SODERGLU

Remarkable new discovery. Spreads like glue, hardens like soder. Mends anything without heat or special tools. Joins securely such widely differing materials as metal, wood, leather, tile, fabrics, glass. Works well on aluminum. Waterproof, oil-proof, acid and alkali resistant. Resists steam and hot water. Use wherever there are parts to join, leaks to stop, holes to fill, repairs to make. Write for full directions and details.

Allen Aluminum Soder ALLEN-ALUMI-SODER

Complete soder and flux combined.
Requires only heat to permanently join aluminum to itself or other metals. Size bars: ¼ lb., 11½" long; 1 lb., 13¾" long.

Allen Sodering Liquid

No gumming, fumes or corrosion. 17,000 lbs. to square inch. Double-strength, non-evaporating. Adaptable hand or machine sodering. Cans: 2 oz., 1 lb., ½ gal., 1 gal., 5 gals. Also in bulk.

Allen Rosin and Acid Core Soder

Self-fluxing, rapid, efficient. For all metals except aluminum. Size spools: ½, 1 and 5 lbs.

Allen Sodering Paste

Soders all metals without corroding or discoloring. Assures secure electrical and mechanical joints. Size cans: 2, 4 ozs., ½, 1, 5 lbs. 2 ozs. tubes. Also sold in bulk.

Allen Sodering Salts

An all around flux. Convenient powder form. Just add water 3 to 5 times, as required. Takes quick bite, and makes soder hold. Bottles ½, 1, 5 lbs. Also in bulk. Keep well stocked on these items.

ALLEN L. B. ALLEN CO. INC. SODERING SUPPLIES at it since '07

6719-33 Bryn Mawr Ave., CHICAGO, ILLINOIS

Dickson nails are the neatest, the best and by far the least expensive of all Lead Head Nails. They add years to the life of sheet metal roofing and siding. The soft lead completely covers the nail head and also seals the break in the galvanizing at the nail hole.

One pound (85 nails) of the standard 1¾" size is ample for laying one square of sheet metal.

You confer a favor on your customer by calling his attention to the great economy in using these nails.

It is a good profit item.

DICKSON WEATHERPROOF NAIL CO.
P.O. Box 334, Evanston, Ill.

Mention the page number in this issue when writing manufacturers or jobbers.

It will help you to identify the merchandise to which you refer.

A New Daisy with a New Sales Punch

THE NEW Buzz Barton Special Daisy Air Rifle is the biggest value in a boy's gun that has been offered to the trade and public in many years.

And back of this new Daisy with its sensational price is a sales plan that will bring the boys flocking to your store to see this new wonder gun.

The Buzz Barton Special is named after the popular 15-year-old film star, who has delighted millions of boys by his thrilling western pictures. Buzz is a hero whom these millions of youngsters fairly worship, and they are sure to make a grand rush for the gun that is sponsored and named for their favorite film star.

We furnish our retail dealers who are prepared to show the new gun, with a supply of souvenir portraits of Buzz Barton, to give free to the boys who come in to see this new Daisy 1000-shot repeater. This offer is made in the first of the new Daisy advertising that appears in the October issues of the leading boys' magazines. Be sure to be ready with your supply of free portraits, and have the new gun ready to show the boys.

This sensational new Daisy has all the steadfast qualities of sound construction and dependability that have always marked Daisy Air Rifles. No such value has ever before been offered to the boys of America, at the new low price of

Special Buzz Barton Features

1. Marvelous telescopic type sights—accurate to a hair. Found only on the world's finest rifles. Never before put on a boy's gun. Drawing a bead on the target means something with this new sight.
2. 22-inch barrel and jacket of genuine blued gun steel.
3. Repeating magazine holding 1000 shots. You can shoot 50 shots a minute if you want to push it.
4. Powerful, positive action. Sends every shot straight and true to the mark. The hardest hitting gun of its size ever produced by the Daisy gunsmiths.
5. Buzz Barton's name and cowboy scenes in colors on the natural finish polished wood stock. You'll be proud to show this gun to your friends.

You should have this new gun to offer your trade as soon as possible. If your jobber cannot yet supply you, advise us, and we will arrange to supply you with sample gun and free advertising material. Act promptly so as to cash in on this big special drive to beat the depression.

Daisy Manufacturing Company, Plymouth, Michigan, U.S.A.

BULLS EYE STEEL AIR RIFLE SHOT

USE COPPROTECT BULLS EYE STEEL SHOT
"The Steel Shot with the Copper Jacket"
Absolutely uniform, the cheapest, handiest, most accurate ammunition for all air rifles. Insist on it by name.

DAISY AIR RIFLES

FOR ALL LOADS, ON ALL ROADS

Mansfield offers car owners a quality line of tires and tubes which completely meets every condition of service. For passenger cars, there are three superior balloons — the Mansfield 4-ply — the Mansfield Heavy Duty 6-ply and the outstanding Mansfield Super. For commercial cars, there are the sturdy Mansfield Truck Cord and the long wearing, easy riding Mansfield Bus-Truck Balloon.

Complete stocks of Mansfield tires are carried by leading hardware jobbers from coast to coast. Ask your jobber about Mansfield tires and about the Mansfield proposition for dealers which enables you to save their car owner customers 10% to 20% on FIRST LINE, FIRST QUALITY tires.

THE MANSFIELD TIRE & RUBBER COMPANY, Mansfield, Ohio

H&R ARMS Co

Revolvers and Shotguns

H. & R. Single Guns are superior in design, workmanship and finish. Barrel and lug are forged integral. Snap on fore-end (except in the Folding) making a three-piece take down. Stocks are of fine black walnut; hard rubber butt plate. All models, except Top Ribbed, Hammerless and Folding are made in both automatic ejecting and non-ejecting.

H. & R. "Standard" Single Gun

This gun is of standard weight—5½ to 6½ pounds.
Gauges: 12, 16, 20, 24, 28 and 410-12 m/m.
Barrels, 26 to 32 inch according to gauge. 34 and 36 inch barrels can be supplied in 12 and 16 gauges only.

H. & R. "Standard" Single Gun, Lightweight

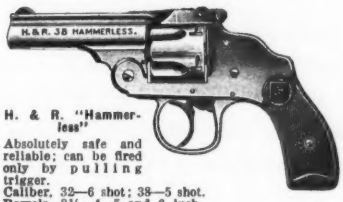
A small bore gun throughout, not a small bore on a 12 gauge frame.
Weight, 4 to 4¾ pounds.
Gauges: 24, 28, 410-12 m/m and 14 m/m.
Barrels, 26 or 28 inch.

The New H. & R. "Handy Gun"

The new model, with Natural Pointing Stock and Spur Trigger Guard, is superior to any arm of this type. A small game gun for the hunter and a weapon of defense for the home, office or bank. In addition to shot shells, round ball loads are obtainable.
Gauges, 410 and 28.
Barrel, 8 and 12¼ inch.
Weight, with 8 inch barrel, 410 gauge, 37 ounces; 28 gauge, 33 ounces.
Also supplied with 12¼ rifled barrel for 22 Long Rifle or 22 W.R.F. and for 32-20 W.C.F. rifle cartridge. Weight, 42 ounces.
A detachable skeleton stock can also be furnished for both shotgun and rifle.

H. & R. "Automatic Ejecting"

A reliable and smooth working revolver, our standard pattern for over twenty-five years.
Caliber, 32—6 shot; 38—5 shot.
Barrels, 3¼, 4, 5 and 6 inch.
Finish, Nickel or Blue.



H. & R. "Hammerless"

Absolutely safe and reliable; can be fired only by pulling trigger.
Caliber, 32—6 shot; 38—5 shot.
Barrels, 3¼, 4, 5 and 6 inch.
Finish, Nickel or Blue.

H. & R. "Hammerless," Small Frame

Caliber, 22—7 shot; 32—5 shot.
Barrels, 2, 3, 4, 5 and 6 inch.
Finish, Nickel or Blue.

H. & R. "Folding" Single Gun

There are no detachable parts to be lost or mislaid. When folded, the gun can be conveniently carried, as in an automobile, or packed for traveling. Opens normally to the loading position, except when additional pressure is applied to fold.
Light Frame, weight about 4½ pounds. 410-12 m/m, 14 m/m and 28 gauge. 22 inch barrel.
Heavy Frame, weight 5¾ to 6½ pounds. 12, 16, 20 and 28 gauges and 410-12 m/m. 26 inch barrel.

H. & R. Speed Action "Hammerless" Single Gun

This is a true hammerless, the firing being accomplished by a light, extremely fast moving firing pin with less than a quarter of an inch travel, the fastest action obtainable. The firing pin is cocked by the top lever which has ample leverage for easy operation.
Gauges: 12, 16, 20 and 410-12 m/m.
Barrels, 26 to 32 inch according to gauge.
Weight, 6½ to 7¼ pounds.

H. & R. "Sportsman"

A brand new 22 revolver of superior design and accuracy. With new H. R. Safety Cylinder, independent cylinder stop, spur trigger guard, coil springs and laterally adjustable rear sight. Five, different interchangeable stocks.
Barrel, 6 inch.
Number of shots, 22 Long Rifle, nine; 22 W.R.F., seven.
Weight, 28 ounces. Finish, Blue.

H. & R. "22 Special"

A full size 22 revolver with new H. & R. Safety Cylinder and "HiGrip" checked walnut stock. Highly accurate and especially suitable for trappers and target practice. Independent cylinder stop.
Barrel, 6 inch.
Number of shots, 22 Long Rifle, nine; 22 W.R.F., seven.
Weight, 23 ounces. Finish, Blue.

H. & R. "Expert" Caliber 22

10 inch Barrel. Weight, 28 ounces. Other specifications same as H. & R. "22 Special" shown above.

H. & R. "922"

Maximum strength, simplicity and safety are provided in the "922" with new H & R Safety Cylinder. "HiGrip" checked walnut stock.
Barrel, 6 inch.
Number of shots, nine.
Weight, 21¾ ounces. Finish, Blue.
Ammunition, 22 Short, 22 Long or 22 Long Rifle.

H. & R. "Hunter Model"

10 inch barrel. Weight, 26 ounces.
Other specifications same as H. & R. "922" shown above.

Manufacturers of the new H. & R. Super Handcuff, also Legirons and Twisters.

H. & R. Firearms and Police Goods are distributed through the leading Jobbers in Hardware and Sporting Goods. Write for complete Catalog and name of nearest distributor.

HARRINGTON & RICHARDSON ARMS COMPANY

WORCESTER, MASS., U. S. A.

In Every Issue

Window Display Suggestions

Two original window displays prepared expressly for our readers by an experienced retail advertising man, who anticipates seasonal requirements by about four weeks, giving you ample time to adapt his suggestions. Also at least two photographs of successful hardware windows which have made sales for other stores. These photos are carefully selected by our Editors who have access to the best window photos in the country. Each month a special appropriate "Talkerticket" or value creating price card is suggested with copy and color scheme ideas. See pages four and five of this issue for complete plans for making your own interchangeable window display fixtures.

News of the Trade

Four, five and often six pages giving important news about retailers, wholesalers and manufacturers in the hardware industry. Here you read about new retail stores, new salesmen who will call on you and of promotions received by men you know or business changes they have made. In fact, all the hardware trade news you require, published soon enough to be NEWS.

"How's the Hardware Business?"

A hardware man, talking a hardware man's language, answers this question in each issue. He has access to the actual records of buying, selling and price trends in practically every section of the country. He interprets for the hardware trade basic conditions such as freight car loadings, money markets, employment, etc., tells of actual and probable price changes and reviews in simple language hardware market conditions. In its present form this very modern type of hardware market report has wide acceptance throughout the trade. We urge you

Use Your

e of Hardware Age

to follow this feature in each issue. It will pay you to do so. The complete story is told in two pages.

Ready to Use Advertising

Everything ready for your name, address and prices. That's the way the HARDWARE AGE suggested advertisements are prepared for your use. Real selling copy written by an experienced retail advertising man. The illustrations (individual cuts or complete mats) are available at extremely low costs, about one-third what they would cost you in the open market. These advertisements are ready to use in newspaper space, large or small, for circulars or on government penny postals. Two pages provide ads of various sizes published about four weeks in advance of seasonal requirements.

"What's New" Section

Where you will find, concisely presented, illustrated descriptions of new or improved merchandise, with your cost and suggested selling price on many items—a service to help you keep your stocks up-to-date and complete with the kind of goods consumers are buying. Also information you will want about new catalogs, dealer helps, window trim material, new packages and new assortments. From three to four pages in each issue.

"Who Makes It?" Page

Supplementing the service rendered by this Directory Number, the "Who Makes It?" Page provides a means for locating unusual merchandise or repair parts. Your customers often require this extra service. It builds good will for your store when you are able to take care of special requests. The "Who Makes It?" Editor receives an average of 100 letters per week. From these he selects for publication questions (and answers) that he knows are of general trade interest. You are urged to make full use of this service.

r Hardware Age

ASSURE YOUR DIRECT MAIL CAMPAIGNS MAXIMUM SUCCESS

HARDWARE AGE

Direct Mail Addressing Service makes this possible!

WHAT IT DOES

It eliminates undeliverable mail.

Saves considerable sums for cancelled postage.

Prevents loss of valuable direct mail matter.

Assures prompt delivery of mail. No lost time for Post Office directory service.

Removes a disintegrating factor heretofore largely responsible for wasteful and unproductive direct mail advertising campaigns.

Lays the foundation of a successful sales program.

Gives you the edge on your competitors by making you first to contact important new hardware retailers.

Gives your mailing piece prestige by being correctly addressed to new owners and new addresses—self evident proof that you are right up-to-the-minute on all recent changes in the hardware field.

Saves you up to $20,000 annually for the upkeep of an equally effective, up-to-date mailing list.

MUCH more could be said. Your own experience will bring home to you the value of this new, up-to-the-minute, much needed addressing service which we have developed for your use.

Here is what the New York Post Office Bulletin of May 29, 1931, said: "During a one year period more than 12,000,000 letters containing circulars and advertising matter were disposed of as waste."

But there is much more wastage than this—how about the mail delivered to families or estates of men deceased; or to men retired from business or who have gone bankrupt; or to those men who had gone into other businesses or have sold out to other men, yet many of whom continue to receive their mail, but are no longer interested in your product? We venture the opinion that this constitutes an ever continuing greater loss, one practically impossible to check without constant research and except at great expense.

HARDWARE AGE Direct Mail Addressing Service eliminates this and other forms of postal waste for you as far as the hardware trade is concerned. Let us address your direct mail matter to hardware jobbers and hardware retailers. You will instantly note the worthwhile saving and the greater effectiveness in results.

Write for details.

HARDWARE AGE DIRECT MAIL ADDRESSING DEPARTMENT

239 WEST 39TH STREET NEW YORK, N. Y.

Gardiner RADIO SOLDER
(Rosin-Core)

GARDINER
FLUX-FILLED SOLDERS

10 Cans in a Display Box

Gardiner REPAIR-ALL SOLDER
(Acid-Core)

TO RETAIL AT 15c. A CAN—GUARANTEED QUALITY

Also 1, 5 and 20 pound spools.

Complete Line of Bar, Tri, Meter and Solid Wire Solders,
Body Solders and Babbitt

From Your Jobber

Gardiner Metal Co., 4826 So. Campbell Ave., Chicago, U.S.A.

Manufacturers of over 60 years experience

BUNGS
CORKS
FAUCETS

SEND US YOUR INQUIRIES

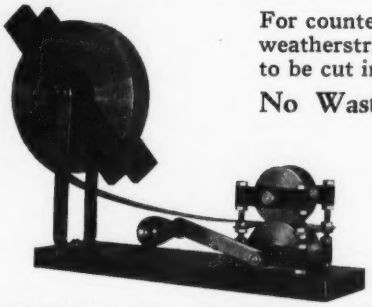
ACME CORK CO.
899-901 THIRD AVE.,
NEW YORK, N. Y.

BUNGS
CORKS
FAUCETS

SEND US YOUR INQUIRIES

ACME CORK CO.
899-901 THIRD AVE.,
NEW YORK, N. Y.

The "UROLIT" Weatherstrip Manufacturing Machine



For counter use—Forms enough plain spring bronze strip into spring bronze weatherstrip for an entire house in ten minutes. Strip comes through straight to be cut in various lengths fully formed and punched for nails.

No Waste — Lengths Only — But Any Length You Desire

CLEVE-BRONZ plain spring bronze for use in "UROLIT" is 1⅛"x32 ga., with a temper full 9 numbers hard, and conforms to S.A.E. specifications; in standard 250 ft. rolls with nails.

To get Dealers immediately started with this profitable item we will send a "UROLIT" machine FREE with a trial order for 500 ft., CLEVE-BRONZ at 2c. a ft. 25% discount for cash in thirty days. CLEVE-BRONZ and nails at 1½c. a ft. if discount is taken.

CLEVE-BRONZ and the "UROLIT" are GUARANTEED to more than please you—otherwise SEND THEM BACK. SEND YOUR ORDER NOW.

CLEVELAND BRONZE PRODUCTS CO., 10514 Western Ave., Cleveland, Ohio

You

can make this Buying Service more effective to yourself if you mention HARDWARE AGE Directory Number when writing to jobbers and manufacturers regarding merchandise you find listed or described in it.

Jobbers and manufacturers like to know the source of their inquiries and will be quick to assist the greater development of this buying service if you indicate its usefulness to you.

So say,

"I saw it in HARDWARE AGE Directory Number" in your correspondence.

REMCO PRODUCTS

DOMES OF SILENCE

10c
Set of 4

Insist on the Genuine—Look for Name Inside Each Dome

D-19 Assortment: Packed 1/3 gross sets: 1 doz. each of ½", ⅝", ¾" and ⅞".

Best sellers for 22 years. Nationally known. Seven sizes: ⅜", ½", ⅝", ⅞", ¾", ⅞", 1⅛". New 1½" size for heavy furniture. Noiseless. Sizes ⅜" to ⅞" retail at 10c. set of 4. 1⅛" 15c., and 1½" retail at 30c. set of 4. Packed as shown in D19 Display Assortment, also.

Refills—Packed 48 sets of a size ⅞" to ⅜" in a carton; 1⅛" and 1½"—12 sets in a carton; also bulk packing, 100 sets ⅞" to ⅜" in a carton; 1⅛" and 1½"—50 sets in a carton; and 1000 set packing.

DOMES of SILENCE

Drive-on type

Insulated Rubber Cushioned Sliding Rests

Socket type

Real floor protection
Spread weight of furniture.
Socket or drive-on type 1½" set of 4—$1.00
Drive-on type 1⅛" set of 4—50c.
Drive-on type ¾" set of 4—25c.
Also equipped with wood and machine screw.
Packed 1 set in box, 12 boxes in carton.
Bulk packing 25 sets.

Attached

DOMES OF SILENCE, INC.
35 Pearl St., New York

SPEARCAP

Old Way

Opens and Reseals Milk Bottles

Retails at 10c

New Way

Spears and removes cap on milk and cream bottles without splashing or spilling. Protects milk from flies and insects. Sanitary—hands do not touch cap which may be removed and replaced as often as desired. Laid down without anything coming in contact with cap. Made of Frosted Aluminum with Nickel-Silver Spear. Approved by Good Housekeeping and Tribune Institutes. Retails at 10c.

REMCO Furniture Nails

Display Assortment Containing Nails in Principal Use

1 Pkg. 220 Black
1 Pkg. 220 Blue
1 Pkg. 220 Tan
1 Pkg. 220 White
1 Pkg. 1512 Antique
1 Pkg. No. 9 Natural
1 Pkg. No. 9 Hammered
1 Pkg. No. 9 Antique
2 Pkg. 210 Black
2 Pkg. 210 Tan
1 Pkg. 210 Red
1 Pkg. 210 Brown
1 Pkg. 210 White
2 Pkg. 210 Green
1 Pkg. 43 Brass Pl.
1 Pkg. 42 Brass Pl.
1 Pkg. 7/16 N. Pl. Thumbtack
Weight 2½ lbs. Complete

50 pieces to a box—20 boxes in display
Retail Price $1.40—Dealers $0.80.

OPTIMUS Swedish Safety Kerosene Stove

No. 45
Collapsible

Practical for many purposes. No smoke, odor or soot. Body made of heavy brass, with steel legs and grate support. Economical—1 qt. of kerosene will burn for six hours. Size: 8" wide by 9" high. Safe, strong, durable, retails at $5.00.

Brass Gasoline Blow Torch

Fills easily—lights quickly—won't blow out in strongest wind. Produces blue flame of intense heat. Carried in pocket or tool kit without leakage. Has rest for soldering iron. Greatest value ever offered to retail $2.00.

OPTIMUS No. 301

REMCO Celluloid Covered and Enameled Thumb Tacks

Made of steel. All colors. Packed 36 in box, 100 boxes to carton. Retail 5 to 10 cts. box. **Also Remco enamel and celluloid 36 and 50 on blocks.**

REMCO RUBBER

Screw Bumpers
Tack Bumpers
Crutch or chair tips
Stool tips
Solid sink stoppers
Suction stoppers

All sizes and kinds.

REMCO

Embossed Brass Head Rustless Numeral Thumb Tacks

For Windows, Screens, Storm Doors, Shelves, Bins, etc. Numbers from 1 to 25, 26 to 50, 51 to 75, 76 to 100. 25 numbers on each block, 12 blocks in box, 12 boxes in carton, 10c. per block 25 numbers. Bulk packing: 25 of one number in box, 12 boxes in carton, 12 cartons in case. Retail at 10c. for 25 numbers.

REMCO 3 in 1 SPRAY

Dishwasher Cleans Clogged Drains, Aids a Good Shampoo

Made of good quality red rubber. Simply attaches to faucet. Simple and practical. Retails profitably at $1.00.

REMCO Thumb Tacks

Nickel or brass plated. Solid head. 100 tacks in box, 10 boxes in carton. Sizes No. 2, ⅜ in.; No. 3, 7/16 in.; No. 4, ½ in.; No. 6, 9/16 in. Retail from 10c to 25c. per box of 100. Highest quality.

"U-PUT-ON" BUTTONS

All metal, black and white finish buttons. Reversing button makes 2 sizes. 12 buttons on card or 12 in box. Retail at 10c. Packed ½ gross cards or boxes in display carton.

Pat. No. 1863204 also Pat. Pend.

A practical Shoe Rack adjustable to any size closet door, or space. Extends from 12 in. to 26 in. Also used for Tie Rack, Towel Rack, etc. Easily attached. Retails at $1.00, Bronze finish; $1.50 Chromium finish.

All in a box folded flat ready for mailing.

ROBERT E. MILLER, INC. *Ask Your Jobber* **35 Pearl Street, New York**

Hardware Age

Published Every Other Thursday

24 ISSUES

Including Directory Number

$1.50 per year

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HARDWARE AGE

239 West 39th Street New York, N.Y.